

2014/2015 Undergraduate Catalog

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About Academic Programs

The American Public University System offers several options for undergraduate study: Associate degrees, Bachelor's degrees, undergraduate certificates, minors, and learning tracks. All degree programs include a general education component and all undergraduate students are required to enroll in COLL100 – Foundations of Online Learning as their first course. Some students who have experience with online learning and have substantial life and work experience may be able to waive this requirement. Please refer to the Student Handbook for details on the waiver process. Associate degree programs require a minimum of 60 semester hours which must be completed within seven (7) years of the students' first enrollment date. Bachelor's degree programs require a minimum of 120 semester hours. Students are allowed ten (10) years from the date of first enrollment to complete a Bachelor's degree. Please refer to the Student Handbook for information regarding extending a program deadline. Most Bachelors' programs include core, major, and elective requirements; many offer an opportunity to focus on a specific area of concentration.

Program Completion Rates, Median Debt, and More

For more about the graduation rates and median debt of students who completed each program, as well as other important information—visit www.APUS.edu/disclosure.

Associate Programs

APUS offers several Associate degree programs. The General Studies degree is designed to provide a solid foundation for further academic achievement. Discipline-specific Associate degrees provide students an opportunity to focus on courses that develop knowledge, skills, and abilities that are readily applicable to personal or professional interests. All students who enroll in an Associate degree program must register for COLL100 – Foundations of Online Learning as their first course. All Associate degrees require a minimum of 61 semester hours and a 2.0 GPA for graduation.

Associate of Arts

- [Business Administration](#)
- [Communication](#)
- [Counter Terrorism Studies](#)
- [Criminal Justice](#)
- [Early Childhood Care and Education](#)
- [General Studies](#)
- [History](#)
- [Hospitality](#)
- [Management](#)
- [Military History](#)
- [Real Estate Studies](#)
- [Retail Management](#)
- [Weapons of Mass Destruction Preparedness](#)

Associate of Science

- [Accounting](#)
- [Computer Applications](#)
- [Database Application Development](#)
- [Explosive Ordnance Disposal](#)
- [Fire Science](#)
- [Paralegal Studies](#)
- [Public Health](#)
- [Web Publishing](#)

Associate of Applied Science

- [Health Sciences](#)

Bachelor's Degree Programs

APUS Bachelor’s degree programs are designed to provide the knowledge, skills, and abilities for entry into the workforce, career transition, or graduate study. Bachelor’s degree programs require a minimum of 120 semester hours and a GPA of 2.0 for graduation. In most cases, these are comprised of general education, core, major, and elective requirements. In many programs, students have the opportunity to select specific concentrations within the degree program or opt for a general program. Students seeking a Bachelor’s degree may also elect to “minor” in a second academic discipline. All students who enroll in the Bachelor’s degree program must enroll in COLL100 – Foundations of Online Learning as their first course.

Bachelor

- [Bachelor of Business Administration](#)

Bachelor of Arts

- [Criminal Justice](#)
- [Emergency and Disaster Management](#)
- [English](#)
- [Entrepreneurship](#)
- [General Studies](#)
- [History](#)
- [Homeland Security](#)
- [Hospitality Management](#)
- [Human Development and Family Studies](#)
- [Intelligence Studies](#)
- [International Relations](#)
- [Management](#)
- [Marketing](#)
- [Middle Eastern Studies](#)
- [Military History](#)
- [Military Management and Program Acquisition](#)
- [Philosophy](#)
- [Political Science](#)
- [Psychology](#)
- [Religion](#)
- [Retail Management](#)
- [Reverse Logistics Management](#)
- [Security Management](#)
- [Sociology](#)
- [Transportation and Logistics Management](#)

Bachelor of Science

- [Accounting](#)
- [Criminal Justice with a Concentration in Forensics](#)
- [Cybersecurity](#)
- [Electrical Engineering](#)
- [Environmental Science](#)
- [Fire Science Management](#)
- [Information Systems Security](#)
- [Information Technology](#)
- [Information Technology Management](#)
- [Legal Studies](#)
- [Mathematics](#)
- [Natural Sciences](#)
- [Nursing](#)
- [Public Health](#)
- [Space Studies](#)
- [Sports and Health Sciences](#)
- [Sports Management](#)

Learning Track Programs

Learning Track programs are available to students who seek a very short program focused on career or professional development needs. Students are required to first take the two-week orientation, COLL099 - Classroom Success, and then take three courses for a total of nine semester hours. In some cases, credits from a Learning Track program can be applied to a Certificate or an Associate's or Bachelor's degree. However, students are not permitted to enroll concurrently in multiple programs in the same academic discipline. For example a student who had previously completed a Learning Track in Criminal Justice might be able to apply those credits toward an Associate of Criminal Justice degree; however, a student may not be enrolled in a Criminal Justice learning track program and a Criminal Justice degree program at the same time. Students may not use military tuition assistance, GI Bill, or federal student aid to pay for learning track courses. Cash or civilian employer tuition assistance may be used.

- *Business Basics*
- *College Readiness*
- *Criminal Justice*
- *Economics*
- *Information Security*
- *Information Technology (IT) Project Management*
- *Managerial Analytics*
- *Microsoft Access Database*
- *Professional Development for Executives/Directors*
- *Professional Development for Managers*
- *Professional Development for Senior Managers*
- *Visual Design*
- *Web Development*

Undergraduate Minors

Because it is important for students to develop an understanding of multiple academic disciplines, students may pursue a minor in addition to their major. For example, a military history major might select an intelligence studies minor. The combination of the major and the unrelated minor will enable students to expand their thinking beyond the single discipline, while also allowing them to present a broader academic portfolio to potential employers or graduate schools. Students may not minor in a discipline directly related to their major discipline. Eighteen semester hours are required for each minor. Students may apply transfer credit towards courses that count towards the minor. Many students will be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning the electives within their degree program.

The programs below are available as undergraduate minors:

- [*African Studies*](#)
- [*American Military History*](#)
- [*Asian Studies*](#)
- [*Business Administration*](#)
- [*Child Development*](#)
- [*English*](#)
- [*European Studies*](#)
- [*Family Development*](#)
- [*History*](#)
- [*Intelligence Studies*](#)
- [*International Relations*](#)
- [*Latin American Studies*](#)
- [*Management*](#)
- [*Marketing*](#)
- [*Middle Eastern Studies*](#)
- [*Military History*](#)
- [*Military Management*](#)
- [*Philosophy*](#)
- [*Psychology*](#)
- [*Religion*](#)
- [*Security Management*](#)
- [*Sociology*](#)
- [*Space Studies*](#)

Undergraduate Certificates

Certificate programs are available to students who seek a shorter program focused on career development or knowledge of a specific discipline. Students are required to take a minimum of 18 semester hours, although some certificates may require up to 24 semester hours. In some cases credits from a certificate program can be applied to an Associate or Bachelor's degree. However, students are not permitted to enroll concurrently in multiple programs in the same academic discipline. For example a student who had previously completed a Fire Science Certificate might be able to apply those credits toward a Bachelor of Fire Science degree, however, a student may not be enrolled in a Fire Science certificate program and a Fire Science degree program at the same time.

- [*Cloud Computing*](#)
- [*Computer Systems and Networks*](#)
- [*Corrections Management*](#)
- [*Counterintelligence*](#)
- [*Cybercrime Essentials*](#)
- [*Cybersecurity*](#)
- [*Digital Forensics*](#)
- [*E-Commerce*](#)
- [*Enterprise Web Applications*](#)
- [*Enterprise Web Applications using .NET*](#)
- [*Environmental Technology*](#)
- [*Explosive Ordnance Disposal*](#)
- [*Family Studies*](#)
- [*Fire Science*](#)
- [*Fish and Wildlife Management*](#)
- [*Forensics*](#)
- [*Hazardous Waste Management*](#)
- [*Homeland Security*](#)
- [*Human Resource Management*](#)
- [*Infant and Toddler Care*](#)
- [*Information Security Planning*](#)
- [*Information Systems Security Essentials*](#)
- [*Instructional Design and Delivery*](#)
- [*Intelligence Analysis*](#)
- [*Internet Webmaster*](#)
- [*IT Infrastructure Security*](#)
- [*Internet Webmaster*](#)
- [*IT Infrastructure Security*](#)
- [*IT Project Management Essentials*](#)
- [*Law Enforcement Leadership*](#)
- [*Meeting and Event Planning*](#)
- [*Microsoft Access Database Applications*](#)
- [*Microsoft Office Applications*](#)
- [*Military Leadership Studies*](#)
- [*Mobile Computing*](#)
- [*Paralegal Studies*](#)
- [*Public Lands Management*](#)
- [*Real Estate Management*](#)
- [*Regional and Community Planning*](#)
- [*Restaurant Operations*](#)
- [*Retail Management*](#)
- [*Security Management*](#)
- [*Space Studies*](#)
- [*Strategic Leadership*](#)
- [*Sustainability*](#)
- [*Terrorism Studies*](#)
- [*United Nations*](#)
- [*Visual Basic Application Development*](#)
- [*Visual Communications*](#)
- [*Weapons of Mass Destruction Preparedness*](#)
- [*Web 2.0*](#)
- [*Web Publishing*](#)

Undergraduate Course Descriptions

- [Business](#)
- [Child and Family Development](#)
- [Communications](#)
- [Criminal Justice](#)
- [Education](#)
- [Emergency Management](#)
- [Engineering](#)
- [English](#)
- [Environmental Science](#)
- [Finance and Accounting](#)
- [Foreign Languages](#)
- [Foundations](#)
- [History](#)
- [Homeland Security](#)
- [Hospitality Management](#)
- [Humanities](#)
- [Information Technology](#)
- [Intelligence Studies](#)
- [International Relations](#)
- [Legal Studies](#)
- [Literature](#)
- [Management](#)
- [Marketing](#)
- [Mathematics](#)
- [Military History](#)
- [Military Management](#)
- [Nursing](#)
- [Philosophy](#)
- [Political Science](#)
- [Professional Studies](#)
- [Psychology](#)
- [Public Administration](#)
- [Public Health](#)
- [Religion](#)
- [Retail Management](#)
- [Reverse Logistics Management](#)
- [Science](#)
- [Security Management](#)
- [Social Science](#)
- [Sociology](#)
- [Space Studies](#)
- [Sports and Health](#)
- [Sports Management](#)
- [Transportation and Logistics](#)
- [Women's Studies](#)

Message from the President

Critical thinking, leadership, and professional-relevance in a global society define American Public University System's educational commitment to our students from all 50 states and around the world. Founded in 1991 by a retired Marine Corps officer who envisioned an innovative way to offer quality and affordable education to our U.S. armed forces - we've grown to serve a diverse population of more than 100,000 military, public service, and corporate professionals through American Military University and American Public University. Today, we are one of the leading providers of online education, frequently recognized by the prestigious Online Learning Consortium (OLC) for best practices in online education. Our program and service standards are designed for the working adult student. We consistently strive to keep our tuition and fees affordable so that a quality education is always within your reach.

How do we distinguish ourselves from other universities? Above all, we provide outstanding programs and student services designed with your career outcomes in mind. We consult with industry leaders to continually assess our curriculum based upon marketplace needs and enhance it in line with their recommendations. Many of our faculty members are practitioners who bring current best practices from their fields into the classroom. Among our faculty, you'll find executives in government, business, and nonprofit organizations including the Department of Defense, Homeland Security, State Department, CIA, Federal Emergency Management Agency, and the United Nations.

Our learners are motivated, working adults often balancing family, school, and career. As a student, you'll quickly discover a supportive and tightknit community of faculty, staff, and fellow scholars who help drive an enriching and engaging classroom experience.

I invite you to learn more by talking with us or exploring our website. Find out how American Public University System is helping others achieve their goals - and how we can help you grow, stand out, and succeed.

Dr. Wallace E. Boston

President and Chief Executive Officer

Mission, Vision, and Core Values

Mission Statement

To provide quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible and affordable, and student-focused online programs, which prepare them for service and leadership in a diverse, global society.

Vision

The University System is a respected higher-learning organization known for its distinctive strengths in providing superior and relevant distance learning programs to its learners. In pursuing this vision, the University System:

- Creates interactive, effective learning environments for all constituents.
- Serves its constituents' diverse personal and professional development needs.
- Expands access to affordable programs to underserved learners.

Core Values

The University System is guided in fulfilling its mission by these shared principles and core values:

- **Learning:** The University System fosters an environment that promotes a life of learning for its constituents and uses feedback from its participants and supporters to improve the quality of its teaching, learning, and support.
- **Quality:** The University System holds a strong commitment to high standards in all aspects of its educational activities, learning outcomes, and support services. It seeks to continuously strengthen the overall effectiveness of its operations.
- **Integrity:** The University System conducts its operations and makes its public representations in an ethical manner. It assesses its operations in an open and collaborative manner and practices fairness, honesty, and objectivity in dealing with its constituencies.
- **Accountability:** The University System is accountable to its constituencies and the public for fulfilling its mission in an appropriate manner by openly assessing its operations and by inviting external evaluations by public agencies.
- **Access to Underserved:** The University System seeks to broaden access to its higher education programs by underserved communities who wish to engage the organization in their learning goals.
- **Adaptive and Responsive:** The University System anticipates and adapts to its changing environment and responds to the needs of the organization and its constituencies in manners both appropriate and timely.
- **Innovation:** The University System seeks imaginative and effective solutions to its challenges and innovative ways to fulfill its mission.
- **Collaboration:** The University System seeks and nurtures partnerships with its constituents and the communities it serves in creating effective learning environments for its learners.
- **Freedom of Inquiry and Expression:** The University System supports the rights of its constituents to freely inquire and express their opinions. It engages and encourages an open exchange of ideas and seeks input from all who wish to participate in its learning programs.
- **Diversity:** The University System embraces and promotes diversity in its policies and practices to prepare its learners to live and work successfully in an increasingly diverse society. It strives to create diverse learning environments by welcoming teachers, learners, and staff that bring diverse ideas, values, backgrounds, and beliefs to the learning and work environment.

History

The American Public University System (APUS) traces its history to June 11, 1991 with the establishment of American Military University (AMU) in the Commonwealth of Virginia. AMU was founded by retired Marine Corps Major James P. Etter as a graduate school of military studies for the purpose of providing military officers an opportunity to earn an advanced degree in a discipline associated with their profession of arms.

AMU offered all of its programs exclusively through distance learning. At that time, it was one of the first American degree-granting institutions operating exclusively at a distance. This method was adopted to accommodate the special needs of military students who moved often and served under uncertain conditions associated with training, exercises, and extended deployments. Distance learning allowed them the flexibility and accessibility to continue their studies under these demanding conditions with an institution that followed them through mail, e-mail, phone, and fax around the globe.

The University began operations and accepting students in January 1993 with 18 graduate students registering for 22 courses in Land, Naval, or Air Warfare. AMU's curriculum was gradually expanded to include related disciplines such as Unconventional Warfare, Civil War Studies, Intelligence, Defense Management, and National Security Studies.

In June 1995, AMU achieved initial accreditation with the Accrediting Commission of the Distance Education and Training Council (DETC). With this national accreditation, AMU students became eligible for Department of Defense Tuition Assistance Programs, the Veterans Administration Entitlement Programs, and federal and corporate tuition reimbursement benefits.

In January 1996, AMU introduced its undergraduate program with three initial areas of study: Military History, Military Management, and Intelligence Studies. These programs were intended to provide military personnel an opportunity to earn a relevant baccalaureate degree. Later, AMU began offering an Associate of Arts degree in General Studies to fulfill the needs of service members seeking a two-year degree. The University continued to expand its curriculum in response to the needs of its students and the military. Accordingly, programs such as Criminal Justice, Management, International Relations, Homeland Security, Security Management, Transportation and Logistics Management, Sports Management, Emergency and Disaster Management, and, later, a full range of liberal arts programs were introduced to meet the diverse interests and aspirations of the University's growing student body. With these new degree programs, AMU began attracting students from professions outside the military, primarily those in public service with law enforcement, fire and rescue, emergency planning, government, and defense contractors.

In 1998, AMU began transitioning its programs and services from a correspondence format to online to leverage the accessibility of online electronic classrooms, administrative services, and learning support facilities. At this time, AMU also outsourced its bookstore and textbook fulfillment services to an industry leader and began developing its proprietary student information system, Partnership At a Distance, or PAD. This system enabled students to apply for admission, complete an online orientation, register for courses, check degree progress, and apply for graduation from the convenience of their home or office with constant access to these online services.

In 2002, AMU expanded into the American Public University System and established American Public University to serve the educational needs of the public service community. Adopting the slogan of "Educating Those Who Serve", the APUS Mission expanded "to serve the nation's military and public service community with superior, relevant, and affordable distance learning programs which prepare them for leadership and service in a diverse, global society." With this organizational and mission expansion, the University System continued to expand and refine its curriculum to meet the special educational needs of its diverse student body.

In 2007, the APUS Mission evolved into "to educate the nation's military and public service communities by providing respected, relevant, affordable, and student-focused online programs, which prepare them for service and leadership in a diverse, global society" to more accurately define the institution's charge.

APUS was established in West Virginia, located within the region accredited by the Higher Learning Commission (HLC) of the North

Central Association of Colleges and Schools (NCA). Accordingly, APUS underwent the process of accreditation achieving this status in May 2006. The NCA's Higher Learning Commission is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

Today, APUS and its member institutions, American Military University and American Public University, serve more than 70,000 military and public service professionals with relevant distance learning programs. APUS serves students in all U.S. states and territories and in more than 100 foreign countries. APUS is appropriately a wholly-owned subsidiary of a publicly-owned company, American Public Education, Incorporated (APEI) which issued an initial public offering of its stock in November 2007 and is now trading on the NASDAQ as APEI.

Address and Phone Numbers

APUS has two administrative offices – our headquarters is in Charles Town, WV, and supporting administrative offices are in Manassas, VA.

Headquarters

111 West Congress Street
Charles Town, WV 25414
Phone: 304-724-3700
Toll Free: 877-468-6268

Administrative Offices

10110 Battleview Parkway Suite 114
Manassas, VA 20109
Phone: 703-330-5398
Toll Free: 877-468-6268

Accreditation and Licensure

Accreditation

What is it? Accreditation within higher education is a voluntary, nongovernmental process that gives public recognition to institutions that meet established quality standards. The purpose of accreditation is to assure the public as to the quality of an institution and its commitment to high standards through a system of continuous improvement. The U.S. Department of Education ([USDE](#)) formally recognizes accrediting commissions that meet all federal standards and the Council for Higher Education Accreditation ([CHEA](#)) extends recognition to accrediting bodies and their institutions that meet these established standards. American Public University System (APUS) has obtained accreditation as well as specialized/programmatic accreditation.

Credits and degrees earned through APUS may be recognized for promotion, assignment, and position qualification standards within the military, federal government, and private sector. For students transferring to other colleges, APUS credit is considered transfer eligible based on its accreditation. However, APUS cannot guarantee that its credit will be accepted, as acceptance of credit is always the prerogative of the receiving institution.

If you have questions or need further information on accreditation, please contact the Office of Institutional Accreditation at accreditation@apus.edu, Telephone: 304-724-3778, Fax: 304-724-3779.

Regional Accreditation

American Public University System (APUS) is accredited by the Higher Learning Commission (HLC), a member of the North Central Association (NCA). APUS is comprised of American Military University (AMU) and American Public University (APU). The Higher Learning Commission is an accrediting body recognized by the USDE and CHEA. Accreditation requires a significant amount of self-study and presentation of evidence to satisfy the demanding requirements of accrediting organizations. Obtaining accreditation demonstrates that APUS is focused on academic excellence and providing the best possible educational experience for its students.

Further information on recognition policies and standards may be found on the following web sites:

- [U.S. Department of Education](#)
400 Maryland Avenue, SW
Washington, DC 20202
(800) USA-LEARN (800-872-5327)
- [Council for Higher Education Accreditation \(CHEA\)](#)
One Dupont Circle, NW, Suite 510
Washington, DC 20036
(202) 955-6126
- [The Higher Learning Commission \(HLC\) of the North Central Association of Colleges and Schools](#)
230 South LaSalle Street, Suite 7-500
Chicago, IL 60604
(312) 263-0456

As an accredited institution, APUS is eligible to participate in federal educational entitlement programs such as military tuition assistance, government tuition reimbursement programs, the Department of Veterans Affairs GI Bill, and many corporate education assistance programs. In addition, APUS has been granted approval by the Department of Education to participate in Title IV Federal Student Aid Programs.

Licensure

The American Public University System is authorized to operate as an institution of higher education by the West Virginia Higher Education Policy Commission (HEPC). APUS is also permitted to operate as an out-of-state institution in the Commonwealth of Virginia by the State Council of Higher Education for Virginia (SCHEV). These are the states in which the University System maintains a physical presence and conducts its academic and service operations. Additionally, the American Public University System is engaged in a continuous process to certify that it is recognized as an accredited institution of higher learning by all 50 states and the District of Columbia. In this regard, the University is committed to ensuring that its academic programs, business practices, and operational activities remain in compliance with applicable regulations specific to each jurisdiction.

State-specific Details

The American Public University System is approved to operate in most U.S. states, either through licensure, registration, or exemption. Some states require that the University post approval-related statements on the APUS website, and some states list “approved” institutions on their websites.

Alabama: The University has received a Private School License from the State of Alabama Department of Postsecondary Education. The University has received a Certificate of Approval from the Alabama Commission on Higher Education. The ACHE requires the inclusion of the following disclaimers: **TEACHER EDUCATION:** State Authorization to provide a program related to the preparation of teachers or other P-12 school/system personnel does not indicate eligibility for an Alabama certificate. Applicants for an Alabama certificate based on reciprocity must meet Alabama's test requirements and submit a valid, renewable professional educator certificate/license issued by another state at the degree level, grade level, and in the teaching field or area of instructional support for which an Alabama certificate is sought and for which Alabama issues a certificate. Applicants for Alabama certification in an area of administration must also document at least three years of full-time employment as an administrator in a P-12 school system(s). www.aldse.edu **NURSING:** State approval of a program to offer Alabama licensed nurses opportunities for advanced degrees does not indicate eligibility for approval to practice as an advanced practice nurse in Alabama. Applicants for approval in Alabama are required to meet the Alabama requirements for national certification, graduation from a specific-type program for the advanced practice approval, and completion of the appropriate application. Any program offering a pre-licensure track to Alabama students shall meet the requirements of the Alabama regulations for pre-licensure programs or the graduates may not be eligible to take the national licensure examination required by the Alabama Board of Nursing to enter the practice.

Alaska: APUS is exempt from authorization under AS 14.48 and 17.015 because the program is online or distance delivered and does not have a physical presence in the state.

Arizona: The programs of the University are not under the jurisdiction of the Arizona State Board for Private Postsecondary Education. This exemption states the University does not have any physical presence in Arizona.

Arkansas: The Arkansas Department of Higher Education approved initial certification of the Associate of Arts in General Studies, Bachelor of Arts in Business Administration, Bachelor of Arts in Criminal Justice, Bachelor of Arts in Management, Bachelor of Arts in Psychology, Associate of Arts in Management, Bachelor of Arts in General Studies, Bachelor of Arts in Emergency and Disaster Management, Bachelor of Arts in Homeland Security, Bachelor of Arts in Intelligence Studies, Bachelor of Science in Sports and Health Science, Master of Arts in Homeland Security, Master of Business Administration, Bachelor of Arts in Transportation and Logistics Management, Associate of Arts in Business Administration, Associate of Arts in Childhood Care and Education, Bachelor of Science Environmental Science, Bachelor of Science in Information Technology, and Master of Arts in History. Any advertisement or published materials using the name Arkansas Higher Education Coordinating Board or the Arkansas Department of Higher Education must contain the following statement: “Arkansas Higher Education Coordinating Board certification does not constitute an endorsement of any institution or program. Such certification merely indicates that certain criteria have been met as required under the rules and regulations implementing institutional and program certification as defined in Arkansas Code §6-61-301. In order to meet Arkansas Department of Higher Education requirements, Arkansas students will be expected to take 35 hours of general education coursework that meets the Arkansas general education requirements including 8 hours of science and one course in U.S. History OR one course in Government.

California: The California Bureau for Private Postsecondary Education regulates through licensure all private colleges and

universities that are not formally accredited by an agency recognized by the U.S. Department of Education. APUS is regionally accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools; therefore the university is not required to be licensed by the Bureau.

Colorado: No regulatory authorization required: the University does not meet the Colorado requirement for physical presence. The University is not required to and cannot be authorized to operate in Colorado. This does not limit the University from enrolling students that happen to live in Colorado.

Connecticut: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Delaware: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Florida: The University maintains a current agent license for Danny Roby and Daniel Allen, Education Coordinators in Florida. The University was required to submit the Orientation and Training Module that was developed to support the university's admissions, marketing and recruiting personnel; and the Florida Agent Training Questionnaire.

Georgia: The University maintains a Certification of Authorization from the Nonpublic Postsecondary Education Commission in Georgia.

Note to Georgia Students: All academic appeals will be handled in accordance with the normal University hearing process.

Grievances that are not resolved through normal, APUS administrative processes should be referred to the Georgia Nonpublic Postsecondary Education Commission. Students may contact the Commission at 2082 East Exchange Place, Suite 220, Tucker, GA 30084; (770) 414-3300 (www.gnpec.org).

Hawaii: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Idaho: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground in the state.

Illinois: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Indiana: This institution is authorized by: The Indiana Board for Proprietary Education. 101 W. Ohio Street, Suite 670, Indianapolis, IN 46204-1984.

Iowa: The American Public University System is registered to operate as a provider of distance education programs in the State of Iowa. Students who have questions or concerns about the University may contact: Iowa College Student Aid Commission 430 E. Grand Ave., 3rd floor Des Moines, IA 50309, (877) 272-4456 <http://www.iowacollegeaid.gov/constituentrequest.asp>. For state specific policies, please click [here](#).

Kansas: Certificate of Approval, #300048.

Kentucky: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Louisiana: APUS is currently licensed by the Board of Regents of the State of Louisiana. Licenses are renewed by the State Board of Regents every two years. Licensed institutions have met minimal operational standards set forth by the state, but licensure does not constitute accreditation, guarantee the transferability of credit, nor signify that programs are certifiable by any professional agency or organization.

Maine: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Maryland: The University is registered with the Maryland Higher Education Policy Commission to enroll Maryland students into its fully online programs.

Massachusetts: The University has registered as a foreign corporation in the Commonwealth of Massachusetts. No formal application for licensure has been submitted.

Michigan: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Minnesota: The University is approved to offer the Master of Arts in Homeland Security. Catalogs, applications and enrollment material must contain the following language: "The American Public University System is registered as a private institution with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may or may not transfer to all other institutions."

Mississippi: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Missouri: No formal application for licensure has been submitted.

Montana: The University submitted regional accreditation notification to the Office of Commissioner of Higher Education. This will serve as evidence that the University has complied with all of the laws and regulations concerning out-of-state institutions that come into Montana to offer coursework and programs.

Nebraska: The University submitted to the Coordinating Commission for Postsecondary Education an Affirmation of Intent to offer on-line courses in Nebraska – No physical presence in the state.

Nevada: APUS has received a full term license from the Nevada Commission on Postsecondary Education to offer educational courses.

New Hampshire: APUS will be seeking Administrative Approval from the New Hampshire Department of Education - Higher Education Commission during 2014.

New Jersey: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

New Mexico: The University is registered as an out-of-state proprietary institution with the New Mexico Higher Education Department (NMHED) to actively recruit students in New Mexico.

NOTE: New Mexico Higher Education Department will receive complaints that were unable to be resolved through the institution's internal complaint process. Generally, in order to file a complaint with NMHED, you must have already filed with and received a response from the institution which you are complaining against. If you have legitimate reasons preventing you from filing a complaint with the institution, you must provide supporting documentation to that regard. Please visit this website for additional information: <http://hed.state.nm.us/Complaint.aspx>.

New York: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

North Carolina: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

North Dakota: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Ohio: The following online degree programs that contain on-ground components to be completed in Ohio have been authorized by the Ohio Board of Regents. Master of Education in Educational Leadership, Master of Education in School Counseling, Master of Education, Teaching - Elementary Education, Master of Education, Teaching - Secondary Social Studies, Post-baccalaureate

Teacher Preparation Certificate.

Oklahoma: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Oregon: APUS has received approval from the Office of Degree Authorization to offer online courses, certificates, and degree programs to students in Oregon and includes approval to place students at appropriate sites in Oregon.

Pennsylvania: In compliance with 34 CFR 600.9, The Pennsylvania Department of Education has approved APUS to offer our degree programs in the state.

Rhode Island: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

South Carolina: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

South Dakota: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Tennessee: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Texas: Pursuant to provisions of the Texas Education Code (Chapter 61, Subchapter G, Section 61.315 and the Texas Administrative Code, Title 19, Chapter 7, Section 7.80), the Texas Higher Education Coordinating Board has approved Arthur Rodriquez and Guillermo Cruz as registered agents.

Utah: APUS has received The Accredited Institution Certificate of Exemption. Certificate #8072345-9985.

Vermont: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Virginia: The State Council of Higher Education for Virginia (SCHEV) has certified the school to operate in Virginia.

Note to Virginia students: Students have the right to file a grievance with the State Council of Higher Education for Virginia (SCHEV). A representative from SCHEV can be reached at the following: 101 N. 14th Street, James Monroe Building, Richmond, VA 23219; telephone (804) 225-2600. Students will not be subjected to adverse actions by any school officials as a result of initiating a complaint.

Washington: American Public University System is authorized by the Washington Student Achievement Council and meets the requirements and minimum educational standards established for degree-granting institutions under the Degree-Granting Institutions Act. This authorization is subject to periodic review and authorizes American Public University System to advertise, recruit and offer field placements for specific degree programs. The Council may be contacted for a list of currently authorized programs. Authorization by the Council does not carry with it an endorsement by the Council of the institution or its programs. Any person desiring information about the requirements of the act or the applicability of those requirements to the institution may contact the Council at P.O. Box 43430, Olympia, WA 98504-3430. *Washington State residents and RN license holders:* The R.N. to B.S. in Nursing program is not currently open for admission to Washington State Residents and RN license holders.

West Virginia: The University has received Category II status from the West Virginia Higher Education Policy Commission, which represents the final step in achieving full authorization to operate in the state. No further action is required.

Wisconsin: APUS has been approved by the State of Wisconsin Education Approval Board (EAB) as a private school, subject to the provision of Wisconsin Statutes 38.50. A representative for the EAB can be reached at 201 W. Washington Avenue, 3rd Floor, Madison, WI 53703-2579; telephone (608) 266-1996; email eabmail@eab.state.wi.us.

Wyoming: The University maintains a Private School Registration from the Wyoming Department of Education (Certificate

number 14-018-30).

The District of Columbia: The University maintains an Agent's License to operate in the District of Columbia.

Employment Disclosure

American Military University and American Public University are part of the American Public University System (APUS). APUS offers academic programs leading to degrees and certificates in a number of fields for which professional practice requires licensure or certification by state, local, or professional boards. In addition, employers consider a range of factors when determining whether a candidate is eligible for a job, including, among other things, work experience, results of criminal background checks and military discharge information. Students and former students are solely responsible for determining and complying with state, local, or professional licensure and certification requirements and with other employment requirements. APUS makes no representation or guarantee that successful completion of a degree or certificate program at APUS will enable a student to obtain professional licensure or certification or particular employment. Prior to enrolling in any program, all students are strongly encouraged to research carefully all licensure, certification and employment requirements related to their desired fields of study. To assist our students and alumni in their career search and in pursuing their career goals, the APUS Office of Career Services provides a variety of tools, resources, guidance, and information. For more information on career services, visit [AMU Career Services](#) or [APU Career Services](#).

Recent AMU or APU graduates should be aware that it is APUS policy not to hire alumni until they have demonstrated significant classroom experience outside of our own university system. A period of two to five years of outside experience is required. This policy ensures that the body of faculty at APUS maintains a variety of perspectives and brings fresh ideas to our organization.

Harassment, Discrimination, and Retaliation Policy

American Public University System (the University) is committed to providing an environment that is free of all forms of unlawful harassment and discrimination. In keeping with this commitment, we maintain a strict policy prohibiting all forms of unlawful harassment and discrimination in interactions that take place in the University environment, whether physical or virtual.

Harassment is unwelcome and disrespectful conduct and communication. Discrimination is any treatment – including harassment – on the basis of a protected characteristic. The University does not engage in and will not tolerate harassment or discrimination based on sex, race, color, religion, national origin, age, marital status, veteran status, handicap, disability, or any other characteristics protected by applicable federal, state or local law.

If you experience, observe, or become aware of behavior that you believe to be harassing or discriminatory in nature, or that is inappropriate or offensive, you are strongly encouraged to report the behavior immediately to the appropriate authority.

To report harassment or discrimination, contact Frank Turner, APUS Student Conduct Officer at fturner@apus.edu. You should provide a description of the issue (including factual details about the people involved, names of any witnesses, and dates of incidents of objectionable behavior) and any steps that have been taken to resolve the issue informally. You may also choose to report harassment or discrimination on the basis of sex to the Office for Civil Rights of the U.S. Department of Education.

Persons reporting incidents of harassment, discrimination, or retaliation may be concerned about the confidentiality of information they are sharing. The right to confidentiality, both of the complainant and the accused, will be respected to the extent possible insofar as it does not interfere with the University's legal obligations or ability to investigate or to take corrective action when it is found that misconduct has occurred.

It is our policy to promptly and equitably investigate any report of harassment, discrimination or retaliation. Appropriate action will be taken against any individual who violates this policy. Harassment or discrimination by any student to another student or a University faculty or staff member will result in disciplinary action up to and including expulsion. Harassment or discrimination by a University faculty or staff member to another employee or student will result in disciplinary action up to and including termination. In addition, any individual who engages in conduct prohibited by this policy may be personally liable in legal action brought against him or her.

You will be protected from retaliation for making a report or participating in an investigation under this policy. All complaints of retaliation should be reported in accordance with the procedure outlined above. Any person who retaliates against any individual filing a claim of harassment or discrimination will be considered to have violated this policy; retaliation will result in corrective action up to and including separation or expulsion.

Cyber-Harassment Policy

The University is committed to providing a safe, positive learning environment for students, faculty and administrators. The University believes that preventing cyberstalking and cyber-harassment is critical to creating and maintaining a safe and secure culture, which supports academic achievement. Cyber-harassment can create an atmosphere of fear and intimidation, which may lead to more serious violence. Cyberstalking and cyber-harassment are prohibited at the University.

Cyberstalking is threatening behavior or unwanted advances directed at another using the Internet and other forms of online and computer communications.

Cyber-harassment differs from cyberstalking in that it generally does not involve a credible threat. Cyber harassment is the willful and repeated use of cell phones, computers, and other electronic communication devices to harass and threaten one or more students, faculty or staff members, which occurs in the school setting or through the use of technology with an effect of doing any of the following:

- Substantial interference with a student's education;
- Creation of a threatening environment;

- Substantial disruption of the orderly operation of the university.

Examples of cyber-harassment:

- Using the Internet, cell phone, email or any other form of electronic communication to intimidate someone;
- Online fighting/trash talking;
- Offensive harassing messages;
- Sending unsolicited text messages to another user;
- Publicly disclosing someone's personal information;
- Breaking into an account and sending damaging messages;
- Taking pictures of someone and posting the pictures without their consent;
- Creating a fictitious online account using legitimate personal information and then placing damaging or harassing information in the account.

Cyberstalking and cyber-harassment are prohibited, whether in the classroom, online, through the use of social networking sites, email or any other form of electronic communication. The use of the University email server to send harassing messages to individuals outside of the university is also prohibited. Any harassment not listed above is covered by this policy if the incident results in the disruption of the university's learning environment.

Cyberstalking and cyber-harassment are criminal offenses. Cyberstalking and cyber-harassment based on protected characteristics may also implicate federal, state, and local non-discrimination laws. The University reserves the right to report an incident to the appropriate law enforcement agencies, and it will participate in any investigation by law enforcement of an alleged cyberstalking or cyber-harassment offense. In addition, the University will apply its policies and procedures regarding adverse actions as it deems appropriate. Those policies and procedures are described in the Student Handbook. For example, those policies and procedures provide that students who are perceived to be a possible danger to other students or to themselves may be involuntarily withdrawn from the University. To initiate this process, a University member must contact Frank Turner, APUS Student Conduct Officer at fturner@apus.edu. If a person is convicted of cyber stalking or cyber-harassment, the person may face serious criminal sanctions, and the University may take adverse action against the student in accordance with its policies and procedures.

University General Grievance Procedure

American Public University System (the University) is dedicated to open communication and the exchange of ideas and/or concerns. Recognizing that, at times, a student may wish to voice a concern, the University has this procedure for addressing students' general complaints.

- If a student has a complaint or concern regarding the University, the student should first communicate the complaint or concern directly and informally with the appropriate department or faculty member. If the complaint or concern is not resolved within the department, the student should continue with the process described below. A student who believes informal resolution is not appropriate due to the sensitive nature of the complaint (for example, sexual harassment or sexual violence) may initiate the appropriate process described below without communicating directly to the department or faculty member involved. Complaints should be filed as soon as possible. For academic issues (classroom issues, grades, faculty concerns): Student emails academics@apus.edu, outlining the complaint or concern and what steps have been taken toward resolution. Academic issues can be complex and require multiple steps to be taken before they can be resolved. The time it takes to resolve individual complaints may vary, but students can expect an initial response, outlining next steps and timelines within 3-5 business days.
- For non-academic issues (service complaints, refunds, etc.): Student emails studentservices@apus.edu, outlining the complaint and concern and what steps have been taken toward resolution. The time it takes to resolve individual complaints may vary, but students can expect an initial response, outlining next steps and timelines within 3-5 business days.
- Complaints regarding disability accommodations should go to DSA@apus.edu. The time it takes to resolve individual complaints may vary, but students can expect an initial response, outlining next steps and timelines within 3-5 business days.
- For complaints regarding discrimination or harassment (including sexual harassment and sexual violence), please refer to the Policy against Harassment, Discrimination, and Retaliation outlined in the University's [Student Handbook](#).
- Certain other issues, known as adverse actions, cannot be addressed through the general complaint procedure. These issues include: being placed on academic probation, dismissal, sanctions, and expulsions. Students wishing to challenge an adverse action or request an exception to university policy are required to file a formal appeal. Detailed information about the appeals process can be found in the Student Handbook at http://www.apus.edu/student-handbook/rights-responsibilities/#Adverse_Actions.
- If a student is unsure about the appropriate contact for a particular concern, the student may always email studentservices@apus.edu to share the concern and the concern will be routed to the appropriate University representative.

To complete a thorough investigation, the University may interview, consult, or request information from the student making the complaint or any other individuals believed to have relevant information, including faculty, staff and other students. At the conclusion of the investigation, the University will report its findings and any proposed resolution to the student.

The findings of the University under this grievance procedure are final and are not subject to appeal. If, however, your grievance was handled under another applicable policy and procedure and that policy and procedure includes an appeal process, then you may submit an appeal under that policy and procedure.

The University will consider fairly all complaints and comments and not engage in retaliatory action against any student who has submitted such information. Any person who retaliates against any individual filing a complaint or concern will be considered to have violated this policy and will be subject to disciplinary action.

Third Party General Grievance Procedure

The University is also required to provide its students or prospective students with contact information for filing complaints with its accreditor(s) and with its State approval or licensing entity and any other relevant State official or agency that would appropriately handle a student's complaint.

State of West Virginia: The West Virginia Higher Education Policy Commission encourages students to seek first informal resolution of any concern or issue. If the issue cannot be resolved informally, the student should follow the institution's formal complaint or grievance procedure. If, after exhausting the institution's internal grievance procedures, the institution has not responded to the student's satisfaction or a satisfactory remedy has not been found, the student may contact the Commission for further investigation into the issue. Upon receipt of a complaint, the Commission may conduct an investigation or refer the issue to another agency that is authorized to address the issue. The Commission may contact institution officials to discuss a possible resolution. Instructions for filing a complaint with the West Virginia Higher Education Policy Commission can be found at <http://www.wvhepc.com/wp-content/uploads/2014/06/Student-Complaint-Process-revised-3.pdf>.

Students also are provided with information for filing complaints with other state agencies in the event that they wish to contact an agency in their state of residence. Contact information for agencies handling student complaints in all other states and the District of Columbia can be accessed through the following link: [State Agencies – Higher Education Grievances and Complaints](#).

Higher Learning Commission: The Commission has established a clear distinction between individual grievances and complaints that appear to involve broad institutional practices. Where a complaint raises issues regarding the institution's ongoing ability to meet the Criteria of Accreditation, the Commission forwards the complaint to the institution and requests a formal response. Instructions for filing a complaint with the Higher Learning Commission of the North Central Association of Colleges and Schools can be found at <http://www.ncahlc.org/Information-for-the-Public/complaints.html>.

Financial Disclosure and Leadership

The American Public University System provides summarized audited financial information to individuals who wish to determine the financial status of the University System and its institutions. The University System's fiscal year runs from January 1 - December 31 each year. Individuals who wish to review published financial information can do so by visiting the American Public Education, Inc. website at <http://www.americanpubliceducation.com/>.

- [Leadership](#)
- [Board of Trustees](#)
- [Directors](#)

Catalog Changes

This publication is not a contract between the University System and any party or parties, and should not be regarded as such. At the date of publication, reasonable effort was made to ensure that this publication and its provisions were factually accurate. However, the publication is not a complete statement of all policies, procedures, and program information. American Public University System reserves the right to make changes and additions to the information in this publication without notice. In cases where significant modification or discontinuation of a program occurs, students can expect to be contacted by a University System staff member to discuss and resolve the matter with the students' interests in mind. Addendums may be posted to the Web site.

Technology Requirements

Studying online requires that you use a computer, an internet connection, and desktop productivity software to complete your degree. To access the full functionality of our campus and classrooms, you are expected to meet or exceed the requirements below. Some programs and classes may require additional software.

Basic Requirements

- Internet access
- E-mail client and an e-mail address
- Windows 7 or higher or Mac OS X 1.6 or higher
- Microphone and speakers or headset
- Webcam
- Monitor capable of 1024 x768 resolution
- Inkjet or laser jet printer
- 2 GB of RAM
- CD-ROM
- 20 GB of free hard disk space

Software Requirements

- Internet Explorer 8.0 or higher or Firefox 10 or higher*
- Microsoft Office 2003 or higher/Open Office/Mac Office 08 or higher
- Adobe Flash Player 9 or higher
- Windows Media Player 7 or higher
- Java 1.5.0 or higher
- QuickTime 7 or higher
- Adobe Acrobat Reader 8 or higher
- A current anti-virus software regularly updated according to the software manufacturer

American Public University System has entered into an agreement with CDWG to provide students and faculty discounted software and hardware. Browse to <http://cdwg.com/apus> for products, pricing and ordering information.

*Students using adaptive technology are recommended to use one of these screen readers for use with Sakai: JAWS version 10.0 or later; Window-Eyes version 7.0 or later.

Academic Calendar

Fall 2014 Term		
October Sessions	Start	End
Fall A: 16-week courses	October 6, 2014	January 25, 2015
Fall B: 8-week courses	October 6, 2014	November 30, 2014
November Sessions	Start	End
Fall K: 16-week courses	November 3, 2014	February 22, 2015
Fall I: 8-week courses	November 3, 2014	December 28, 2014
December Sessions	Start	End
Fall C: 16-week courses	December 1, 2014	March 22, 2015
Fall D: 8-week courses	December 1, 2014	January 25, 2015
Winter 2015 Term		
January Sessions	Start	End
Winter A: 16-week courses	January 5, 2015	April 26, 2015
Winter B: 8-week courses	January 5, 2015	March 1, 2015
February Sessions	Start	End
Winter K: 16-week courses	February 2, 2015	May 24, 2015
Winter I: 8-week courses	February 2, 2015	March 29, 2015
March Sessions	Start	End
Winter C: 16-week courses	March 2, 2015	June 21, 2015
Winter D: 8-week courses	March 2, 2015	April 26, 2015
Spring 2015 Term		
April Sessions	Start	End
Spring A: 16-week courses	April 6, 2015	July 26, 2015
Spring B: 8-week courses	April 6, 2015	May 31, 2015
May Sessions	Start	End
Spring K: 16-week courses	May 4, 2015	August 23, 2015
Spring I: 8-week courses	May 4, 2015	June 28, 2015
June Sessions	Start	End
Spring C: 16 week courses	June 1, 2015	September 20, 2015
Spring D: 8-week courses	June 1, 2015	July 26, 2015
Summer 2015 Term		

July Sessions	Start	End
Summer A: 16-week courses	July 6, 2015	October 25, 2015
Summer B: 8-week courses	July 6, 2015	August 30, 2015
August Sessions	Start	End
Summer K: 16-week courses	August 3, 2015	November 22, 2015
Summer I: 8-week courses	August 3, 2015	September 27, 2015
September Sessions	Start	End
Summer C: 16-week courses	September 7, 2015	December 27, 2015
Summer D: 8-week courses	September 7, 2015	November 1, 2015

Student Profile

The University System’s undergraduate programs are open to all qualified students. The student body is comprised of busy, working adults who hold a variety of positions in the national security, public service and corporate sectors. Students typically work full-time while studying online to advance their careers from locations in all 50 states as well as from more than 100 foreign countries.

Undergraduate Admissions Criteria and Status

Undergraduate Admissions Criteria

A high school diploma, GED certificate, or international equivalent is required for admission to any APUS undergraduate program. Transfer students and international students have additional admission requirements.

Admissions Status

Students are admitted to a University System institution after an online application has been submitted and the online New Student Orientation has been completed, but their student admission record is not complete until all required admission documents are submitted. The student may login any time to view what documents may be required to complete his admission record and which have already been received in his personal Document Log.

Student Identity

Students transferring to APUS will be identified by the matching of data on the incoming transcripts or military documents. Non-Transfer students may be asked to submit a valid Social Security Card, current Driver's License, and/or proof of address to maintain their enrollment.

Equal Opportunity

The University System is committed to equal opportunity in student admissions, financial assistance, and other policies and procedures without regard to age, sex, race, color, religious belief, national origin, status as a qualified person with a disability or handicap, marital status, or sexual orientation. All interested individuals are encouraged to apply. Admissions questions should be emailed to info@apus.edu.

Course Registration

The Course Schedule is posted online and displays a schedule of the courses offered, the professors teaching the courses, and the required course materials. When registration for a particular session opens, students may register online through the student portal by selecting “Register Now” and choosing the appropriate course. Students having difficulty accessing the online registration page should contact the staff at registrar@apus.edu for assistance.

Examinations & Proctors

APUS professors use examinations as one method of evaluating student performance during a course. Examinations may be proctored or unproctored, and professors can set any exam so that a proctor is required. Proctors are individuals who ensure the integrity of the examination process by monitoring student work during the exam and verifying that the student complied with exam instructions regarding the use of outside materials, doing his/her own work, etc. If a proctor is required, the student must locate a suitable proctor who will be able to give the student access to a computer for 3-4 hours and who has an email address. Proctors must meet certain qualifications, as described in the Student Handbook section covering the Online Examination Process.

Prior to exam day, the professor will email a password to your proctor. On the day of your exam, your proctor will provide the password and monitor you as you take your final exam online.

Special Needs

APUS complies with the Americans with Disabilities Act, Section 504 of the Rehabilitation Act, and state and local requirements regarding students with disabilities. In compliance with federal and state regulations, reasonable accommodations are provided to qualified students with disabilities.

A request for accommodation is deemed reasonable if the request:

- is based on documented individual needs.
- does not compromise essential requirements of a course or program.
- does not impose a financial or administrative burden upon APUS beyond that which is deemed reasonable and customary.

A qualified student can, with or without reasonable accommodations, perform the essential functions of program or course requirements. The essential requirements of an academic course or program need not be modified to accommodate an individual with a disability.

Final responsibility for selection of the most appropriate accommodation rests with the Disability Services Accommodations Office (DSA) and is determined on an individual case-by-case basis, based on the nature of the student's disability. Students are encouraged to e-mail DSA@apus.edu to discuss potential academic accommodations and begin the review process.

It is the student's responsibility to follow the DSA process as published in the Student Handbook.

Application, Orientation and Registration Process

All new APUS students complete an online application and orientation process during which they complete the online application, review APUS policies and procedures, and declare their academic goals. The orientation provides an opportunity for students to familiarize themselves with working in the online environment.

Once the application and orientation are complete, the new student will be issued an APUS Student ID number and will create a secure password for access to the student campus.

Please note: APUS students are required to complete Orientation and declare an academic goal prior to registration. All undergraduate students must register for COLL100 as their first course unless they petitioned for and have received a waiver.

Tuition and Fees

The University System operates nearly exclusively through tuition revenue and provides affordable education. Tuition for courses taken for academic credit is \$250 per semester hour for undergraduate classes and \$325 per semester hour for graduate classes. The following is the current tuition/fee schedule:

Tuition

8- and 16-Week Sessions	3 semester hours	4 semester hours
Undergraduate Academic Credit	\$750	\$1,000
Graduate Academic Credit	\$975	N/A
Audit	\$300	\$400

Fees

Admission Fee	\$0
Registration Fee	\$0
Late Registration Fee	\$50
Transfer Credit Evaluation - United States Active Duty Military, Guard, or Reserve personnel	\$0
Transfer Credit Evaluation - All other	\$50
Technology Fee - Active Duty Military, National Guard, or U.S. Military Reservist***	\$0
Technology Fee - Courses other than ENGR and ELEN***	\$50
Technology Fee - ENGR and ELEN courses***	\$100
Average Undergraduate Course Materials (per course)	\$0
Average Graduate Course Materials (per course)	\$100
Completion Fee: Certificate	\$25
Graduate Comprehensive Exam	\$250
Graduation Completion Fee for most degrees	\$100
Transcripts (each):	
Official electronic	\$10
Official paper	\$20
Unofficial electronic	\$5

***Per Course

Withdrawal, Refund, and Extension Policy

Tuition refunds are given for courses taken for academic credit under the guidelines listed below. Students registered for a course are expected to complete all scheduled requirements (as listed in the classroom’s course syllabus) within the allotted time frame. Students experiencing difficulties that prevent them from completing their coursework on time should discuss their situation with their instructor. In extreme situations, they may wish to consult the Student Handbook to determine whether they should submit a formal request for a course extension or withdraw from the course entirely. Procedures for both actions are explained in the Student Handbook. Students who elect to submit a request for a course extension forfeit the option to withdraw from the course, but in most cases, a course extension is preferable because it allows time for students to complete the course and advance towards their academic goals. In addition, a course withdrawal will reduce the number of credit hours being taken during the semester and may have a negative impact on students' status as a full-time or part-time student, which in turn may affect eligibility for some forms of financial aid. Required forms are available in the Online Campus.

If a student decides to drop from a course, the online Drop/Withdrawal from Course form must be submitted during the first week of the course. APUS will not consider appeals for a penalty-free drop after the first week of the course has ended because of late book arrival or deployment papers that were received prior to the course start date, as it is the student's responsibility to drop the course on time.

If a student earning academic credit submits an online Drop/Withdrawal from Course form after the first week of the course, s/he will be withdrawn and will receive a grade of "W" as long as the withdrawal was requested during the allowed timeframe. A "W" grade does not carry a grade point value and has no effect on the student's cumulative APUS GPA.

Course Withdrawals may be requested after the start of the second week until the beginning of the last week of the course. Any requests to withdraw from the course after the final week has started or during an extension must be made in writing and sent to appeals@apus.edu. The date of withdrawal will be the date the request is received. Refunds are processed as follows:

- APUS refunds 100% of tuition for course drops occurring before or during Week 1 of a course taken for academic credit or as an Audit.
- After a course begins, refunds will be based on the weekly course schedule.
- Go Army Ed Students: The withdrawal date in Go Army Ed is considered by the Army to be the withdrawal date of record for refund purposes.

Please find the appropriate semester-length on the Refund Schedule to determine your refund. Students should allow 30 days for the processing of tuition refunds.

2-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	No Refund

8-Week Course -- Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	75%
During Weeks 3 and 4	50%
During Weeks 5 through 8	No Refund

16-Week Course-- Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Weeks 1 or 2	100%
During Weeks 3 and 4	75%
During Weeks 5 through 8	50%
During Weeks 9 through 16	No Refund

Financial Assistance

APUS offers several educational financing options including Federal Student Aid, grants and loans, alternative loans, and an automatic debit payment plan. Students are encouraged to begin their application process by completing their Statement of Intent Form online and entering the online Financial Aid Office at least 21 days prior to the start of the semester. Additionally, APUS is authorized to accept funds from the U.S. Department of Defense Tuition Assistance (TA) programs as well as the Veterans Administration GI Bill programs (including REAP and Vocational Rehabilitation). Students employed in the private sector should consult with their Human Resources department regarding employer-based tuition assistance programs.

Automatic Debit Plan

The University System offers an Automatic Debit Plan (ADP) to enable students to spread tuition payments over time by having them automatically charged to a credit card on a preset schedule. The amount and number of payments is proportional to the length of the course. Students in 16-week courses make four ADP payments. Students in 8-week courses make two ADP payments. To be eligible for the ADP plan, the student must be registered for credit-bearing courses. Audit students are not eligible for ADP.

ADP Schedules

16-Week ADP Schedule	
Upon Registration	1/4 tuition due
15th of Session's First Month	1/4 of tuition due (i.e., for May 5th course, payment due 5/15/XX)
15th of Session's Second Month	1/4 of tuition due (i.e., for May 5th course, payment due 6/15/XX)
15th of Session's Third Month	1/4 of tuition due (i.e., for May 5th course, payment due 7/15/XX)

8-Week ADP Schedule	
Upon Registration	1/2 tuition due
15th of Session's First Month	1/2 tuition due (i.e., for May 5th course, final 1/2 due 5/15/XX)

ADP Late Payments

If a credit card is declined, the student will be notified to immediately to contact stuaccounts@apus.edu and make the payment. A \$25 fee is charged to the student’s account. If payment is not received, the student's account is placed on “balance due hold”.

VA Benefits and GI Bill

Students who are not certain if they qualify for VA Benefits should first contact the VA Education Call Center at 888-442-4551 or go online at www.gibill.va.gov. The Veterans Administration will help to determine exactly which benefits students are eligible to receive and which form(s) they will need. The process for each benefit type can also be found at <http://www.apu.apus.edu/> After being accepted as a student, anyone using GI Bill benefits needs to complete the Application for VA Education Benefits (Form 22-1990) from the VA website, and send it to the Veterans Affairs office at APUS. Discharged veterans also will need to send a copy of their DD-214 to our administrative office. Additional questions about VA Benefits, the GI Bill, or the Top-Up program can be found on the APUS websites under Tuition and Financing and Paying for school.

Course Load and Student Status

The following table equates semester hours with student status for Alternative Loans and VA Benefits. Students who are applying for Federal Student Aid will adhere to a different enrollment status. Please see the [Financial Aid Website](#) for more information on financial assistance.

Graduate: 8-Week Courses	Semester Course Load	Student Status
	6 semester hours	Full-time
	3 semester hours	Three-quarter time
Graduate: 16-Week Courses	9 semester hours	Full-time
	6 semester hours	Three-quarter time
	3 semester hours	Half time
Undergraduate: 8-Week Courses	6 semester hours	Full-time
	3 semester hours	Half-time
Undergraduate: 16-Week Courses	12 semester hours	Full-time
	9 semester hours	Three-quarter time
	6 semester hours	Half-time
	3 semester hours	Less than Half-time

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- **Science, Technology, Engineering and Math** - Daniela Messina, D.C., Chiropractic, New York Chiropractic College, Seneca Falls, NY
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- **Security and Global Studies** - Kelli Frakes, Ph.D., Public Policy and Administration, Walden University
- **Security and Global Studies** - Michelle Watts, M.A., Latin American Studies, University of Arizona, Tucson, AZ

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- Jeanette Moyer, M.L.I.S., University of Pittsburgh
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- Carole Nowicke, Ph.D. Library & Information Science, Indiana University-Bloomington; M.L.S., University of Maryland
- Mary Prentice, Ph.D. Political Science, University of Florida; M.S.L.S., Clarion University; M.A., Political Science, University of Florida
- Susan Sartory, M.L.S., University of Maryland
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- Christy Stevens, M.A., Library & Information Science, The University of Iowa; M.A., English, University of California Irvine; M.A., Women's Studies, San Diego State University
- Bradley Wiles, M.A., Library and Information Studies, University of Wisconsin; M.A., History, Western Illinois University

First Name	Last Name	Degree Type	School Name
Susan	Abagnale*	M.S.	Old Dominion University
Ahmed	Abaza	M.E.S.	Loyola College - Maryland
Razak	Abedalla*	M.A.	University of Al-Qadisiya
Wendy	Achilles*	Ph.D.	Virginia Commonwealth University
George	Ackerman*	Ph.D.	Capella University
John	Ackerman*	Ph.D.	The University of Alabama
Albert	Acuna*	M.A.	San Francisco State University
Carol Sue	Adams*	D.C.	Palmer College of Chiropractic
Jon	Adams*	M.S.	Lawrence Technological University
Sharie	Adamson	M.S.	California State University - Fullerton
Elizabeth	Adelizzi*	M.F.S.	National University
Medani	Adhikari	M.S.	Strayer University
Grant	Adkins*	M.A.	American Military University
LaTrese	Adkins*	Ph.D.	Michigan State University
Felix	Agalaba*	M.S.	Nova Southeastern University
Seli	Agbolosu-Amison*	Ph.D.	University of Virginia
Yvette	Aguiar*	Ph.D.	Northcentral University
Minna	Ahlmann*	M.A.	The George Washington University
Nichole	Ahlstrom*	M.S.	University of Phoenix
Sayeed	Ahmed*	Ph.D.	Northern Arizona University
Shawn	Aker	M.S.	Touro University International
Daisuke	Akiba*	Ph.D.	Brown University
Marco	Albarran*	M.B.A.	Lynn University
Edward	Albin*	Ph.D.	The University of Georgia
Dianne	Aldrich*	M.S.	University of Florida
Amy	Alexander*	M.S.W.	Grand Valley State University
Ginette	Aley*	Ph.D.	Iowa State University
Dawn	Aliberti*	M.A.	Cleveland State University
Matthew	Allen*	J.D.	Tulane University
Linda	Allen*	Ph.D.	Indiana University - Bloomington
Laura	Allison*	M.S.	University of Alabama - Birmingham

Rinyka	Allison*	Ph.D.	Walden University
Barbara	Alston*	D.B.A.	Nova Southeastern University
Tanisha	Alston*	M.A.	Webster University
Clifford	Altizer*	M.S.	Air Force Institute of Technology
Dennis	Alvarez*	M.S.	American Military University
Michael	Amaral*	M.S.	University of Washington
Robert	Amato*	M.S.S.	Air University
Augustine	Amenyah*	Ed.D.	The University of Georgia
Michael	Ammons*	Ed.D.	Liberty University
Lilia	Anand	M.A.	University of Oregon
Jason	Anderson	M.S.	University of Washington
Quiana	Anderson*	M.B.A.	University of Phoenix
Michael	Anderson*	Ph.D.	Southern Methodist University
David	Andersson*	Ed.D.	Northcentral University
Lane	Andrew*	Ph.D.	University of Northern Colorado
Natasha	Anthony*	Ph.D.	SUNY at Albany
Sohail	Anwar*	Ph.D.	The Pennsylvania State University
Emily	Archer*	M.A.	Florida Atlantic University
Charles	Archer*	Ph.D.	University of York
Donna	Armes-Thomas	M.B.A.	Davenport University
Antonia	Armstrong*	M.B.A.	Regis University
Rachel	Armstrong*	M.L.S.	University of Buffalo
Derek	Arndt*	M.S.	The University of Oklahoma
Martin	Arredondo*	M. Ed.	American InterContinental University
Edward	Arroyo*	Ph.D.	The City University of New York
Letitia	Arruda	M.S.	Columbia University in The City of New York
Robert	Arruda*	M.S.	Long Island University
Melanie	Arthur*	Ph.D.	Johns Hopkins University
Melissa	Artstein-McNassar*	M.A.	Washington State University
Karina	Ash*	M.A.	San Francisco State University
Linda Mae	Ashar*	J.D.	The University of Akron
Amy	Ashmore	Ph.D.	The University of Texas - Austin
Rasheedah	Askew*	M.A.	Wayne State University
Antonia	Asterino-Starcher*	J.D.	Capital University
David	Auchter*	Ph.D.	University of Houston
Maureen	Augustin*	M.S.Ed.	Dominican University

Senna	Austin	J.D.	George Mason University
Cheryl	Avant*	Ph.D.	University of Missouri - Columbia
Eson	Avent*	M.F.A.	Emerson College
Ryan	Averbeck*	Ph.D.	Northcentral University
Stephanie	Averill*	Ph.D.	University of New Hampshire
Jacqueline	Awadzi-Calloway*	Ph.D.	Capella University
Mahmood	Awan*	Ph.D.	Northcentral University
Brendan	Ayers*	M.S.	Kettering University
Sarah	Azmeh*	M.A.	University of Michigan
Danielle	Babb	Ph.D.	Capella University
James	Babcock*	M.S.	Nova Southeastern University
Annessa	Babic*	Ph.D.	SUNY at Stony Brook
Damon	Baca*	M.B.A.	Grand Canyon University
Stephen	Bach	Ph.D.	University of California - Irvine
Dennis	Backherms*	M.S.	University of Phoenix
Stephen	Bacon	M.A.	The University of Alabama
Carrie	Badeaux*	M.A.	Emerson College
Janet	Bader	Ph.D.	University of Texas at El Paso
Jodie	Baeyens	M.F.A.	National University
Timothy	Bagwell	Ph.D.	Saint Louis University
Jason	Bagwell*	M.Ed.	Indiana Wesleyan University
Julius	Bailey*	Ph.D.	The University of North Carolina at Chapel Hill
Michelle	Bailey*	Ph.D.	University of Alabama
Joseph	Baird*	J.D.	Saint Thomas University School of Law
Karen	Baker*	M.A.	Savannah College of Art and Design
William	Baker*	Ph.D.	The University of Alabama
Katharine	Ball Ricks*	Ph.D.	University of Missouri - Columbia
Daniel	Baracskay*	Ph.D.	University of Cincinnati
Donald	Baribault*	M.A.	Gonzaga University
Kris	Barnekow*	Ph.D.	University of Wisconsin - Madison
William	Barnes*	J.D.	Baylor University
Laurie	Barnes*	Ph.D.	Capella University
Rachel	Barnes*	Ph.D.	University of Central Florida
Christian	Barnes-Young*	M.S.	Francis Marion University
Leslie	Barnes-Young*	Ph.D.	University of Akron
Shanna	Barnett*	D.P.H.	The University of Texas Health Science Center at Houston

James	Barney	J.D.	New York Law School
Bobby	Barrett	Ed.D.	The George Washington University
Douglas	Barron*	M.S.	University of Illinois at Urbana - Champaign
Marguerite	Barta*	Ph.D.	Capella University
Ray	Bartholomew	M.B.A.	Strayer University
Michelle	Bartlett*	Ph.D.	Clemson University
Christi	Bartman	Ph.D.	Bowling Green State University
Patrick	Barton*	M.S.I.	American Military University
Daneene	Barton*	Ph.D.	Barry University
Jill	Barton*	Ph.D.	Nova Southeastern University
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Deborah	Bauer*	M.A.	University of Central Florida
Ronald	Baugh*	M.A.	Webster University
Curtis	Bauman*	M.A.	Lehigh University
Marissa	Baxter*	M.S.	Southern Illinois University - Carbondale
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Alison	Becker*	J.D.	Northern Kentucky University Salmon P Chase College of Law
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Robert	Behan*	M.P.A.	Marist College
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Yana	Belan*	M.A.	Bowling Green State University
Iris	Belen*	M.A.	Antioch University
Bryan	Bell*	M.B.A.	University of Maryland University College
Andrew	Bell*	M.P.A.	Troy University
Mohamed	Ben Yahya*	M.B.A.	National University
Twanda	Bendolph-Grey*	M.S.W.	Southern Connecticut State University
Paul	Benedict*	M.B.A.	The Ohio State University
Stewart	Bennett*	Ph.D.	University of Maine

Yolanda	Benoit	M.Ed.	National-Louis University
Mary	Bentley*	J.D.	Faulkner University
Duane	Benton	D.Ed.	Nova Southeastern University
Wesley	Benton*	D.C.	Logan College of Chiropractic
Nicholas	Bergan	M.S.	Florida State University
Jose	Bernier*	Ed.D.	University of Florida
Debra	Berrett*	M.S.	Capella University
Katie	Berryhill	M.S.	University of North Dakota
Michael	Beshears	M.S.	Indiana State University
Michelle	Beshears	M.S.	Indiana State University
Kimberly	Bessolo	M.Ed.	Wichita State University
Marybeth	Bethel*	M.S.	University of Kansas
Charles	Beverley*	Ph.D.	University of South Carolina
Richard	Bieker*	Ph.D.	University of Kentucky
Eric	Bienstock*	Ph.D.	New York University
Robert	Bier*	M.S.I.	American Military University
Franziska	Bieri*	Ph.D.	Emory University
Samantha	Bietsch	D.B.A.	Argosy University - Sarasota
Dondra	Biller*	Ph.D.	University of California - Santa Barbara
Elodie	Billionniere*	Ph.D.	Arizona State University
Charles	Bindig*	Ph.D.	Nova Southeastern University
Zachary	Binkley*	M.S.	California University of Pennsylvania
James	Binns*	Ph.D.	University of Northern Colorado
Kurt	Binversie*	M.S.	National Intelligence University
Shuza	Binzaid*	Ph.D.	Prairie View A & M University
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Jason	Black*	Ph.D.	Florida State University
Karine	Blackett	D.Ed.	The University of South Dakota
Tiffany	Blackmon	Ph.D.	Purdue University
Stephane	Blais*	M.B.A.	Amberton University
Miles	Blanton*	Ph.D.	The University of North Carolina at Chapel Hill
Mendi	Blue*	J.D.	Harvard Law School
David	Bockoven*	Ph.D.	University of Oregon
Detra	Bodrick*	M.B.A.	University of Maryland University College

Craig	Bogar*	Ed.D.	United States Sports Academy
Shelby	Bohl*	Ph.D.	Walden University
Cortney	Bolden*	Ph.D.	North Carolina A & T State University
Peter	Bonk*	M.B.A.	Northcentral University
Fredric	Boockfor*	Ph.D.	Clemson University
Ali	Boolani*	Ph.D.	Oklahoma State University
Tykeysha	Boone*	M.P.H.	The University of Alabama - Birmingham
Ronald	Booth*	Ph.D.	Nova Southeastern University
Cassandra	Bosier*	Ph.D.	Capella University
Jacqueline	Boswell*	J.D.	Loyola University - New Orleans
David	Bosworth*	M.S.	University of Colorado
John	Bottom*	M.Ed.	University of Central Florida
Frederic	Bouchet	Ph.D.	Virginia Tech
Sheila	Bouie*	M.Ed.	University of Illinois at Urbana - Champaign
Jennifer	Bourgeois*	M.S.	Sam Houston State University
Jodi	Bouvin	M.B.A.	American InterContinental University
David	Bouvin	Ph.D.	Argosy University - Sarasota
Lawrence	Bowdish*	Ph.D.	The Ohio State University
Alan	Bowen*	M.S.	University of Phoenix
Beverly	Bowen*	Ph.D.	Capella University
Amanda	Bowers*	M.A.	University of Nevada - Las Vegas
Mark	Bowles	Ph.D.	Case Western Reserve University
Robert	Bowman*	M.A.	University of Maryland
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Corey	Boyer	M.S.	Dakota State University
Scott	Boykin*	J.D.	The University of Alabama
Catherine	Boyle*	M.A.	Wichita State University
Jackie	Bozeman*	M.S.	Tiffin University
Constance	Bracewell*	M.A.	Appalachian State University
Nicholas	Bradley*	D.Mgt.	Colorado Technical University
Carl	Bradshaw	M.M.A.S.	U . S. Army Command and General Staff College
Kristopher	Bradshaw*	M.B.A.	University of Phoenix
Loni	Bramson	Ph.D.	Universite Catholique de Louvain
Eleanor	Branch*	Ph.D.	University of California - Berkeley
Christina	Branham*	Ph.D.	Texas Woman's University
Kevin	Brannon*	Lp.D.	Northeastern University

David	Brashinger	M.S.	Loyola University - Chicago
Marco	Bravo*	M.A.	The University of Arizona
Erin	Brescia	M.L.S.	Fort Hays State University
George	Brice*	M.B.A.	University of Miami
Bradley	Bridges*	M.B.A.	Wake Forest University
Anne	Bright*	J.D.	Syracuse University
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Kasie	Brinson	M.S.	Indiana State University
Charles	Britt*	M.S.	New Mexico State University
David	Brommer*	Ph.D.	Arizona State University
Nathan	Brooks*	J.D.	The George Washington University
Kevin	Brothers*	J.D.	American University
Timothy	Brown*	M.B.A.	The George Washington University
Melva	Brown*	M.B.A.	University of Phoenix
Dwyne	Brown*	M.S.	Bellevue University
Mistyjean	Brown*	M.S.	City University of Seattle
Yashica	Brown*	M.S.	North Carolina A & T State University
Scott	Brown*	M.S.	University of Management and Technology
Darkeim	Brown*	M.S.I.	National Defense Intelligence College
James	Brown*	Ph.D.	Rutgers, The State University of New Jersey and the University of Medicine
Kimberly	Brown*	Ph.D.	University of South Carolina
Scott	Brown*	Ph.D.	University of South Carolina
Rockell	Brown*	Ph.D.	Wayne State University
Lisa	Browning*	M.S.	Shippensburg University of Pennsylvania
Kathryn	Broyles	Ph.D.	Indiana University of Pennsylvania
Lisa	Bruno	J.D.	Massachusetts School of Law
Courtney	Bruno*	M.S.	University of Phoenix
Corey	Bruns*	Ph.D.	University of Colorado
Daniel	Brush*	M.S.	Weber State University
Diane	Bryan*	Ph.D.	Walden University
Wendi	Bryant	M.A.	Louisiana Tech University
Marisa	Bryant*	Ph.D.	Walden University
Patricia	Buchanan*	Ph.D.	Indiana University
Jennifer	Bucholtz*	M.F.S.	National University
Christopher	Buckler*	J.D.	Marquette University
Stanley	Budhram*	D.Sc.	Robert Morris University

Teresa	Buehler-Rappold	M.B.A.	University of Phoenix
Vicky	Bufano*	J.D.	Gonzaga University
Peggy	Buffington*	M.A.	The University of Louisiana at Monroe
Eddie	Bulls*	M.A.	Norwich University
Edwin	Bundy*	Ph.D.	Capella University
James	Burch*	D.M.	Colorado Technical University
Annette	Burden*	Ph.D.	Union Institute & University
Robert	Burger*	M.A.	Bowling Green State University
Cory	Burkarth*	M.M.C.	University of South Carolina
Barbara	Burke*	M.S.S.	United States Army War College
Amy	Burkman*	Ed.D.	Texas Christian University
Julia	Burlette*	M.A.	Louisiana State University and A & M College
Brian	Burnett*	M.S.	Utica College
David	Burns*	J.D.	Vermont Law School
Charles	Burrage*	Ed.D.	Wilmington University
Kimberly	Burton*	M.S.	Capitol College
Michelle	Burton*	M.S.	University of North Texas
Lisa	Burton*	Ph.D.	Capella University
Shannon	Burton*	Ph.D.	Capella University
Deborah	Busby*	M.A.	Northern Arizona University
Robert	Busek	M.A.	The Catholic University of America
Reba	Businsky*	M.S.	Wilmington University
Michael	Bussell*	M.P.A.	Golden Gate University
Timothy	Butchart*	M.Ed.	University of Missouri - St. Louis
Stephen	Butcher*	Ph.D.	Kent State University
Rebecca	Butler*	M.A.	Miami University
William	Butler*	M.S.S.	United States Army War College
Leslie	Button*	M.S.	Florida State University
Emilia	Butu*	M.B.A.	Southeastern University
Lauri	Byerley	Ph.D.	University of California - Los Angeles
Stephanie	Caggiano*	M.S.	College of William and Mary
Maureen	Cahill*	Ed.D.	Nova Southeastern University
Nicole	Cain	M.S.	Saint Leo University
Nicholas	Cain*	M.S.	Florida Institute of Technology
Heather	Caldwell*	M.A.	American University
John	Callaghan*	Ph.D.	University of Cincinnati

Kelli	Callahan*	M.F.S.	National University
Daniel	Campagna*	Ph.D.	University of Georgia
Charles	Campisi*	Ph.D.	University of Minnesota
Sarah	Canfield Fuller*	Ph.D.	Indiana University
Jason	Cantone*	J.D.	University of Nebraska - Lincoln
Tammy	Capaldo*	M.S.	Walden University
Theresa	Capra*	Ph.D.	Concordia University - Chicago
Jennifer	Carazo*	M.A.	University of San Diego
Brian	Carey	M.A.	American Military University
Jay	Carlin*	J.D.	Western State University
Michelle	Carlin*	M.A.	University of Hartford
Keith	Carlson*	M.A.	The University of Alabama
Bryan	Carlson*	M.S.	Washington State University
Sharon	Carmack*	M.A.	National University
James	Carmichael*	M.E.	University of Louisville
Carol	Carpenter*	Ph.D.	Capella University
Stanley	Carpenter*	Ph.D.	Florida State University
Andrew	Carpenter*	Ph.D.	University of California - Berkeley
Roger	Carpenter*	Ph.D.	University of California - Riverside
Lynn	Carpenter*	Ph.D.	University of Illinois at Urbana
Marnie	Carroll	Ph.D.	University of Colorado
Robert	Carter	Ph.D.	University of North Texas Health Center Science
Jewel	Carter-McCummings*	D.H.Sc.	Nova Southeastern University
Rodney	Carveth*	Ph.D.	University of Massachusetts - Amherst
George	Case	M.B.A.	Case Western Reserve University
John	Casey*	M.S.H.S.	Touro University International
Peter	Cash*	Ph.D.	University of Memphis
Derrah	Cassidy*	M.Ed.	Francis Marion University
Jennifer	Castel*	M.A.	American University
Nestor	Castellanos	M.S.	Nova Southeastern University
Anna	Cates*	Ph.D.	Indiana State University
Peter	Catina*	Ph.D.	University of Maryland - College Park
Martin	Catino*	Ph.D.	University of Southern Mississippi
Larry	Causby*	M.S.	Jacksonville State University
Monique	Cavender*	M.S.	Capella University
Nick	Ceh*	Ph.D.	University of Illinois at Chicago

Nissa	Chadwick *	M.A.	University of North Colorado
Shakeisha	Chambers	Ph.D.	Capella University
Alli	Chambers *	M.A.	Temple University
Michael	Chandler *	M.S.	National Defense University
May	Chang	M.A.	University of Wisconsin - Oshkosh
Alan	Chant *	Ph.D.	University of Portsmouth
Michael	Chaplin *	J.D.	University of Notre Dame
John	Chapman *	M.A.	University of Southern California
John	Chappo *	Ph.D.	University of Southern Mississippi
Nikki	Charles	M.A.	Hood College
George	Charles *	D.B.A.	Argosy University
Carolyn	Charron *	Ed.D.	Teachers College Columbia University
Michael	Charter	D.P.A.	Valdosta State University
Odessa	Chavous *	M.A.	University of Colorado
Adnan	Chawdhry *	D.Sc.	Robert Morris University
Scott	Cheatham *	D.P.T.	Chapman University
Kimberly	Cheiken	J.D.	University of Pennsylvania
Ursula	Chesney-Grady *	M.D.	F. Edward Hebert School of Medicine of the Uniformed Service
Christine	Chin Choy *	Ph.D.	Stevens Institute of Technology
Rachel	Christian Cain	Ph.D.	The University of Alabama
Shearin	Christiansen	M.S.	Capella University
Stanley	Chu *	D.B.A.	Argosy University
Brent	Chyna *	M.S.	Loyola University - Chicago
Alfred	Cicere	M.Ed.	Towson University
Christopher	Cicere *	M.A.	Webster University
Shannon	Cichocki *	M.B.A.	Webster University
Karen	Cieslewicz	M.D.	Ross University
Leda	Ciraolo *	Ph.D.	University of California - Berkeley
John	Clark	M. Div.	Concordia Seminary
Len	Clark *	D.P.A.	University of Baltimore
Kadriyya	Clark *	D.P.N.	University of Maryland, Baltimore County
Lisa	Clark *	M.A.	Union Institute & University
Elizabeth	Clark *	M.S.	Palm Beach Atlantic University
Amelia	Clark *	M.S.	University of Oxford
John	Clark *	Ph.D.	The University of Alabama
Vanessa	Claus *	Ph.D.	Texas A & M University

Walter	Clements*	M.A.	Webster University
Patrick	Cleveland*	Ph.D.	Regent University
James	Cliber*	M.A.	University of Nebraska - Lincoln
John	Coale*	M.S.	Joint Military Intelligence College
Jeradi	Cohen*	Ed.D.	University of Virginia
Michelle	Cohen*	M.A.	University of Maryland - College Park
Dana	Colbert*	M.H.A.	University of Southern California
Travis	Coldwell*	Ph.D.	University of Maryland University College
Rebecca	Cole*	M.A.	Webster University
Jonathan	Cole*	M.S.	University of Maryland, Baltimore County
Leslie	Colegrove	M.B.A.	Pepperdine University
Karen	Collier*	Ed.D.	Georgia Southern University
Matthew	Collins	Ph.D.	Virginia Tech
Susan	Collins*	Ed.D.	University of Phoenix
Pamela	Collins*	M.A.	Fayetteville State University
Valerie	Colston	M.A.	San Diego State University
Lamont	Colucci*	Ph.D.	University of London
Wendy	Conder*	M.A.	University of Phoenix
Bryce	Condit*	M.A.	Wake Forest University
Allan	Conkey	Ph.D.	Capella University
Christopher	Conley*	M.S.	Florida State University
Alistair	Connor*	M.Ed.	Francis Marion University
Xenia	Conquy*	M.S.	University of Idaho
Walter	Conrad*	D.B.A.	Phoenix University
Karin	Conradson	M.B.A.	Regis University
Toni	Conroy	M.P.A.	The Evergreen State College
Elizabeth	Cook	M.S.	Troy University
Craig	Cook*	M.A.	Roosevelt University
Jillian	Cook*	M.B.A.	Mount Saint Mary College
Jeffery	Cook*	Ph.D.	West Virginia University
Steven	Cooke	M.B.A.	Keller Graduate School of Management
Paul	Cooke	M.S.I.	American Military University
Christine	Cooke*	Ph.D.	Memphis State University
Mary	Cooper	Ph.D.	Walden University
Sjanna	Coriarty*	D.Ed.	Argosy University
Georgina	Cornwall*	Ph.D.	University of Colorado

Kay	Corriere	M.S.	University of Southern Mississippi
Heather	Corriveau*	M.S.	Walden University
Gianluca	Corsi	Ph.D.	Northcentral University
Michelle	Corum*	M.S.	Central Michigan University
Angela	Costanzo*	M.S.	University of Washington
Sandra	Coswatte*	M.A.	West Virginia University
Arthur	Coumbe*	Ph.D.	Duke University
Linda	Council*	M.B.A.	Baker College
Bari	Courts*	Ph.D.	Capella University
Tonja	Cox*	M.A.	Missouri State University
Janet	Cox*	Ph.D.	Capella University
Daniel	Cox*	Ph.D.	University of Nebraska - Lincoln
Tracia	Craig	Ed.S.	The University of Idaho
Ann	Cramer	Ph.D.	University of Chicago
Jennifer	Cramer	Ph.D.	University of Wisconsin - Milwaukee
Angela	Cranon-Charles*	M.A.	California State University - Long Beach
Gina	Crawford	M.A.	The University of Alabama
James	Crawford*	M. Div.	Eden Theological Seminary
Linda	Crawford*	Ph.D.	University of Minnesota
Amanda	Cresswell*	M.S.	University of Phoenix
Raheen	Crippen*	M.S.	Texas A & M University - Texarkana
Thomas	Crittenden*	M.S.	Troy University
Gregory	Cronce	M.B.A.	University of Phoenix
Elizabeth	Crosier*	J.D.	University of Richmond
Dane	Crossley*	Ph.D.	University of North Texas
Laura	Culbertson	Ph.D.	University of Michigan
Dean	Culpepper*	Ph.D.	University of Houston
John	Cumiskey	M.F.A.	National University
Jodie	Cummings	M.S.	The University of Southern Mississippi
Marty	Cummings*	Ed.D.	Argosy University - Sarasota
Amy	Cuneo*	M.S.	California State University - Long Beach
Amy	Cuneo*	Ph.D.	Capella University
Tonya	Curry	J.D.	Howard University
Michelle	Curtain*	Ed.D.	Indiana University - Bloomington
Pamela	Curtin*	M.S.	The University of Wisconsin - Milwaukee
Kimberly	Curtis*	J.D.	American University

Roger	Cusick*	Ph.D.	University at Albany - SUNY
Alessandra	Cusimano*	M.A.	University of New Orleans
Christopher	Cussat*	M.A.	Duquesne University
Randall	Cuthbert	Ph.D.	Saybrook Graduate School and Research Center
Christina	Czajkoski*	Ph.D.	University of Pittsburgh
Gregory	Dahle*	Ph.D.	Rutgers, The State University of New Jersey
Jennifer	Dale*	M.S.	Northern Illinois University
Elizabeth	D'Andrea*	Sc.D.	The George Washington University
Darrell	Dantzler*	Ph.D.	Capella University
Harry	David*	Ph.D.	Claremont Graduate University
Germany	Davis	M.A.	The University of West Alabama
Valerie	Davis	Ph.D.	Northcentral University
Dexter	Davis*	Ed.D.	United States Sports Academy
Kathleen	Davis*	M.A.	Eastern Washington University
Tiffani	Davis*	M.A.	Southern University and A & M College
Markeysha	Davis*	M.A.	University of Massachusetts - Amherst
Michelle	Davis*	M.A.	University of Phoenix
Christopher	Davis*	M.S.	Eastern Kentucky University
Jenelle	Davis*	M.S.	The George Washington University
Willie	Davis*	M.S.	Troy University
Benjamin	Davis*	Ph.D.	Northcentral University
Michael	Davis*	Ph.D.	University of Maryland - College Park
James	Davis*	Ph.D.	Walden University
Robert	Dawkins	D.Ed.	Nova Southeastern University
Herman	Dawson*	J.D.	Howard University
Sarah	Deacon*	M.S.	West Virginia University
Melvin	Deaile	Ph.D.	University of North Carolina at Chapel Hill
Morgan	Deane*	M.A.	Norwich University
David	DeBoer*	M.Mgt.	DeVry University
Amy	Decker	M.A.	George Mason University
Christopher	DeClerk*	D.Mgt.	University of Phoenix
Renee	Decter*	M.A.	California State University - Dominguez
Patrick	Deely*	M.B.A.	Kansas State University
Chris	Deeter*	Ph.D.	University of Nebraska - Lincoln
Frank	DeFelice*	D.Ed.	Nova Southeastern University
Matthew	Degn	M.A.	American Military University

Jason	DeJarnett*	M.S.	University of Central Texas
Taisha	Delamar*	M.S.	Georgia Institute of Technology
Robert	Deller*	Ph.D.	American University
Jason	Dellwo*	M.L.S.	Fort Hays State University
David	DeLong*	M.S.	Lehigh University
Paul	DePo*	M.Ed.	Cabrini College
Audrey	Denton*	A.L.M.	Baker University
Barry	Denton*	M.A.	American Public University
Tiffany	Depriter	D.Ed.	Morgan State University
Mary	Dereshiwsky*	Ph.D.	University of Massachusetts - Amherst
Aaron	Deris*	Ph.D.	University of New Orleans
Tracy	Derks	M.A.	Sam Houston State University
Enver	Dersan*	Ph.D.	Bogazici University
Kenneth	Desforges*	M.S.	Norwich University
Susan	Desverreaux	M.Ed.	Towson University
Robert	Desverreaux*	Ph.D.	University of Maryland, Baltimore County
Patrick	Dever*	M.S.	Johns Hopkins University
Lori	Dewald*	Ed.D.	The University of Tennessee - Knoxville
Stacie	Deyglio*	Ph.D.	University of Bridgeport
Arthur	Deyo*	M.A.	Oklahoma State University
Viviana	Diaz*	M.A.	Rice University
Daniel	Diaz*	Ph.D.	University of California
Lawrence	Dietz*	J.D.	Suffolk University Law School
Jessica	Digh*	M.A.	The University of North Carolina
Benjamin	Dille*	J.D.	University of Minnesota
Erik	Dillman*	Ph.D.	Saint Louis University
Dawn	DiMarzo*	Ed.D.	Nova Southeastern University
Donna	DiMatteo-Gibson*	Ph.D.	Alliant International University
Frederick	Dimichele*	J.D.	Indiana University
Richard	Dinneen*	Ed.D.	Northcentral University
Joseph	DiRenzo	Ph.D.	Northcentral University
Robert	Ditch*	Ed.D.	Walden University
Timothy	Djomgoue*	D.B.A.	University of Phoenix
Gayle	Dodson*	Ph.D.	University of North Texas
Dean	Dohrman*	Ph.D.	University of Missouri - Kansas City
John	Dolan	Ph.D.	Colorado State University

Vladislav	Dolgopolov*	Ph.D.	Clark University
Karen	Dolnick*	Ph.D.	Capella University
Sean	Donahoe*	Ph.D.	George Mason University
Rebecca	Dondanville*	Ed.D.	University of North Carolina
Kim	Donovan Karaff*	M.A.	Purdue University
John	Dougherty*	M.A.	University of Kansas
Robert	Dougherty*	M.S.	Saint Joseph's University
Itasha	Douglas*	Ph.D.	Capella University
Spiro	Doukas	Ed.D.	United States Sports Academy
Terry	Dowdy*	Ph.D.	Northcentral University
Megan	Doyle*	M.S.Ed.	Eastern Illinois University
Joel	Dreessen*	M.S.	Texas Tech University
Arthur	Drennan*	M.A.	Naval War College
Kristin	Drexler	M.A.	Ohio University
Douglas	Dribben*	J.D.	University of Missouri - Kansas City
Kevin	Driscoll*	Ed.D.	Nova Southeastern University
Helen	Driver	M.A.	Austin Peay State University
Darrell	Driver*	Ph.D.	Syracuse University
William	Drohan*	M.S.S.	United States Army War College
Christina	Dryden*	Ph.D.	Old Dominion University
Neal	Duckworth*	M.A.	The U. S. Naval War College
Daniel	Dudzinski*	Ph.D.	Northcentral University
Donna	Duellberg*	D.Ed.	Boston University
Elizabeth	Dugan*	Ph.D.	George Mason University
Carrie	Dugan*	Ph.D.	Kent State University
Samantha	Duhn*	M.B.A.	Northcentral University
Samantha	Duhn*	Ph.D.	Northcentral University
Julie	Duncan	M.S.	Gannon University
Tisha	Duncan*	D.Ed.	The University of North Carolina at Chapel Hill
Aja	Duncan*	M.A.	Richmont Graduate University
Kimberley	Dunkerley*	Ph.D.	Nova Southeastern University
Christopher	Dunn*	M.A.	American Military University
Derrek	Dunn*	Ph.D.	Virginia Tech
Janet	Durgin*	Ph.D.	Capella University
Donald	Dutko*	M.A.	Central Michigan University
Mari-Amanda	Dyal*	Ph.D.	The University of Georgia

Christina	Dyer*	M.S.	Florida International University
Christi	Eady-Smith*	M.B.A.	New York Institute of Technology
Shanda	Easterday*	Ph.D.	Western Michigan University
Peggy	Eaton*	M.A.	The University of Alabama
Marcial	Echenique*	Ed.D.	Florida Atlantic University
Onwuatuegwu	Echezona	Ph.D.	Walden University
Scott	Eckert*	D.B.A.	Argosy University
Linda	Eckert*	M.S.	Purdue University
John	Eckhardt*	M.S.Ed.	SUNY at Cortland
Charles	Edeki*	Ph.D.	Capella University
Lawanda	Edwards*	Ph.D.	Auburn University
Constance	Edwards*	Ph.D.	University of Milwaukee
Anne	Edwards*	Ph.D.	University of Oklahoma
Roland	Edwards*	Ph.D.	University of Phoenix
Lee	Effner*	M.B.A.	The University of Tulsa
Denise	Eggersman*	Ph.D.	Capella University
Margaret	Eggleston*	Ph.D.	Virginia Tech
Christina	Ekman	J.D.	Seattle University School of Law
Alex	Ekwuaju	Ph.D.	Michigan State University
Taan Said	El-Ali*	Ph.D.	University of Dayton
Roy	Elam*	Ed.D.	Argosy University
Christopher	Elg*	M.A.S.	Fairleigh Dickinson University
Wagih	Elgohary*	Ph.D.	Capella University
Charbel	Elkhoury*	Ph.D.	Capella University
Catherine	Ellenwood	M.A.	University of Phoenix
Rhonda	Ellis	D.B.A.	Argosy University
Joanetta	Ellis*	D.Ed.	Texas A & M University - Kingsville
Whitney	Elmore*	Ph.D.	University of Florida
Mamdouh	El-Nady*	Ed.D.	University of San Francisco
Joe	Elrod*	Ed.D.	Louisiana State University
Kenneth	Emberton*	M.A.	Webster University
John	Eme*	Ph.D.	University of California - Irvine
Cassandra	Emery	J.D.	University of Richmond
Michael	Emmart*	M.S.	Kansas State University
Walter	English*	M.S.	John Hopkins University
John	Ensor*	M.S.	Central Michigan University

Robert	Epling*	Ph.D.	University of Tennessee
Amber	Epps*	D.Sc.	Robert Morris University
Amber	Epps*	M.S.	South University
Ulas Doga	Eralp*	Ph.D.	George Mason University
Jason	Eriksen*	Ph.D.	Loyola University of Chicago
Kerry	Erisman	J.D.	Temple University
Peter	Ermeys*	M.A.	Indiana University - Bloomington
Roger	Escayg*	M.B.A.	University of Phoenix
Iris	Esch-Williams*	M.S.W.	University of Michigan
Michael	Esenwein*	M.P.S.	The Pennsylvania State University
Joseph	Esposito	M.Ed.	University of Virginia
Elizabeth	Essel*	Ph.D.	The Pennsylvania State University
Emily	Estrada*	M.A.	Texas Tech University
Amelia	Estwick*	Ph.D.	The George Washington University
Joan	Evans*	D.Ed.	Texas Southern University
Michael	Evans*	M.S.	Central Michigan University
Gregory	Evans*	Ph.D.	The University of Georgia
Diana	Everman*	M.S.	Walden University
John	Eward*	M.A.	Columbia University
John	Ezell*	M.Ed.	American InterContinental University
Karen	Faith*	M.A.	Arizona State University
Holly	Fama*	M.A.C.C.	University of Alabama - Huntsville
Jennifer	Familant*	M.S.	University of Maryland University College
Christopher	Fant*	M.B.A.	Gardner-Webb University
Robert	Farinelli*	M.S.	Capella University
Todd	Farmer*	Ed.D.	University of Phoenix
Corinne	Farneti*	Ph.D.	The Ohio State University
George	Faron	M.S.C.J.	Tiffin University
Christian	Faught	M.A.	The University of Tennessee - Knoxville
Terry	Faulkenbury*	D.Min.	Liberty University
Brian	Faulkner*	D.Ed.	Nova Southeastern University
Rebecca	Faulkner*	D.Ed.	Nova Southeastern University
Janet	Felder	M.S.	North Georgia College and State University
Andrew	Feldman	Ph.D.	University of Paris IV- Sorbonne
Erin	Felicetti*	Ph.D.	Washington State University
Delicia	Fellers*	Ed.D.	Argosy University - Sarasota

Philip	Fellman	Ph.D.	Cornell University
Craig	Fenn*	M.S.	Pennsylvania State University
Jere	Ferguson*	M.B.A.	University of Phoenix
Florence	Ferguson*	Ph.D.	Michigan State University
Eleanor	Fernandez	M.A.	University of Florida
Jacqueline	Fernandez*	M.A.	University of California - Santa Barbara
Martha	Fielder*	Ph.D.	Texas Christian University
Jennifer	Fielding*	M.Ed.	Endicott College
Joyce	Fields*	M.S.	California State University - East Bay
Amanda	Fields*	M.S.	University of Nebraska - Kearney
Donna	Fife*	Ph.D.	University of South Florida
Dustin	Files*	M.S.	Florida Institute of Technology
Amy	Filipiak*	M.P.A.	University of Colorado
Timothy	Finch	J.D.	Charleston School of Law
Keith	Finley*	Ph.D.	Louisiana State University and A & M College
Michael	Finney	M.Div.	Columbia International University
Jill	Fiore	Ph.D.	Indiana University of Pennsylvania
Mark	Fischer	M.A.	University of Central Florida
Kimbra	Fishel*	M.A.	University of Oklahoma
Linda	Fisher Lewis*	D.Mgt.	University of Phoenix
Janett	Fisher*	M.Ed.	Jones International University
Maryln	Fisher*	Ph.D.	Capella University
Andrew	Fitzgerald*	M.S.	Marist College
Brendan	Fitzpatrick*	M.A.	American Military University
Larry	Flegle	D.B.A.	Nova Southeastern University
Janice	Flegle	M.B.A.	Kaplan University - Online
Wilton	Flemon*	Ph.D.	University of Denver
Ann	Fletchall*	Ph.D.	Arizona State University
Mark	Fliegelman*	Ed.D.	Argosy University
Stephen	Flink*	Ph.D.	University of Colorado
Marcella	Florence*	M.A.	George Mason University
Jimmie	Flores*	D.Mgt.	University of Phoenix
Christine	Foerstel*	M.S.	Southern Illinois University - Edwardsville
Emily	Fogarty*	Ph.D.	Florida State University
Melvin	Fogle*	M.A.	Southwest University
Victoria	Fontana*	M.Ed.	University of Washington

Karin	Ford-Torres	M.B.A.	Baker College
Farshad	Foroozan*	Ph.D.	University of Maryland
Thomas	Foss*	M.P.A.	American University
Susan	Foster Ebbs	Ph.D.	University of New Orleans
Caroline	Foster*	J.D.	University of Florida
Benjamin	Foster*	M.A.	Southern Illinois University
Cory	Foster*	M.Ed.	Hardin-Simmons University
Jeffrey	Fowler	M.A.	Vermont College of Norwich University
Stephen	Fowler*	M.I.M.	American Graduate School of International Management
Dorinda	Fox*	Ph.D.	Florida State University
Jeffrey	Fox*	Ph.D.	Northcentral University
Gwyneth	Francis*	M.Ed.	University of West Georgia
Jean	Francis*	Ph.D.	Capella University
Michael	Frangos*	Ph.D.	University of California
Tijuana	Frank*	Ed.D.	Argosy University
Christy	Franklin	Ph.D.	University of Nebraska Medical Center
Rochelle	Franklin*	Ed.D.	Liberty University
Rochelle	Franklin*	Ed.S.	Liberty University
Brad	Frazier*	D.B.A.	California Coast University
Nakia	Frazier*	M.B.A.	Wayne State University
Vincent	Frazier*	M.S.	The University of Alabama
Robert	Freeborough*	Ph.D.	Capella University
Jessica	Freed*	M.Ed.	Wichita State University
Matthew	Freed*	M.S.	The University of Tennessee
Penny	Freeland	M.F.A.	Sarah Lawrence College
Steven	Freeman*	M.S.	Syracuse University
Virginia	Frey*	M.B.A.	American Public University
Mark	Friske*	Ph.D.	Capella University
Michael	Frisoli*	Ph.D.	University of Southern California
Emmet	Fritch*	Ph.D.	Northcentral University
Deborah	Fromer*	M.P.H.	Wichita State University
Patrick	Fruge*	M.A.	American Military University
Carol	Fuchs*	M.A.	National University
Ilan	Fuchs*	Ph.D.	Bar-Ilan University
Maxine	Fuller*	M.A.	The University of Alabama - Birmingham
Rhema	Fuller*	Ph.D.	University of Connecticut

Nancy	Fultz*	Ph.D.	The University of Michigan - Ann Arbor
Ryan	Funkhouser*	M.S.	Purdue University
Nancy	Furlow*	Ph.D.	The University of Southern Mississippi
Natalie	Fussell*	Ph.D.	Mississippi State University
Valencia	Gabay	M.Ed.	University of Florida
Achilles	Gacis*	Ph.D.	Walden University
John	Gaines*	Ph.D.	Texas Tech University
Donna	Galla*	D.B.A.	Nova Southeastern University
Erin	Gallagher*	M.A.	Brooklyn College of the City University of New York
Brian	Galli*	M.S.	Missouri University of Science and Technology
Brian	Galli*	Ph.D.	Old Dominion University
Karyn	Gallivan*	M.S.	Old Dominion University
Dina	Gallo*	M.B.A.	SDA Bocconi School of Management of Luigi Bocconi University
Eric	Gallo*	Ph.D.	Drexel University
Terri	Galvan*	M.P.P.	University of Southern California
Jackie	Galvan*	M.S.	University of Maryland, Baltimore County
Mark	Gambill*	D.B.A.	Nova Southeastern University
Nader	Gandevani*	Ph.D.	Walden University
George	Gannage*	Ph.D.	Northcentral University
Steven	Gans	Ph.D.	Pennsylvania State University
Edward	Gant*	D.M.A.	The University of Iowa
Frederick	Gao*	D.Ed.	University of Massachusetts
Luis	Garcia	Ph.D.	Northeastern University
Michelle	Gardner	M.S.	Valdosta State University
Regan	Garey*	D.B.A.	Argosy University
Sara	Garski*	Ph.D.	Capella University
Paul	Garten*	M.S.	Elmira College
Natascha	Gast	M.A.	University of Connecticut
LaTasha	Gatling	M.A.	Morgan State University
Currie	Gauvreau*	M.A.	University of South Florida
Anthony	Gayles*	M.A.F.M.	Virginia Tech
Brenda	Geer-Frazier*	M.B.A.	American InterContinental University
Paul	Gelpi*	Ph.D.	The University of Alabama
Laurie	Genesi-Bloom*	M.B.A.	Capital University
Dina	Gentile*	Ed.D.	Boston University
Kelly	George*	M.A.	Webster University

John	Georges*	M.S.	Hampton University
Anne	Geraci*	M.A.	Converse College
Rossano	Gerald*	D.B.A.	Argosy University - Sarasota
Lisa	Gerardy*	M.LIB.STD.	Fort Hays State University
Jerri	Gerlach*	M.Ed.	Tennessee State University
Mary Jo	Gibbs*	Ph.D.	University of Nevada - Las Vegas
Angela	Gibson	Ed.D.	Texas A & M University - Kingsville
Jerome	Gideon*	Ph.D.	University of Southern California
Signe	Gilbert*	M.S.	Chamberlain College of Nursing
Miron	Gilbert*	Ph.D.	Walden University
Paul	Gillespie*	M.B.A.	DeVry University
Michael	Gillespie*	Ph.D.	Indiana University
Jacqueline	Gilliard*	Ph.D.	Capella University
David	Gillie*	M.A.	Naval War College
Bruce	Gillies*	Ph.D.	Alliant International University
Thomas	Gills*	M.P.A.	Troy University
William	Gillum	D.Ed.	Azusa Pacific University
Craig	Gilman*	M.S.	Old Dominion University
Jamie	Gladfelter	M.S.	Illinois State University
Mina	Glabosky*	Ph.D.	Florida Atlantic University
Andrew	Glass*	J.D.	University of Cincinnati
Lisa	Glass*	M.S.W.	University of South Florida
Valerie	Glass*	Ph.D.	Virginia Tech
Kenneth	Glaudell*	Ph.D.	University of Wisconsin - Madison
Eileen	Gleason*	M.S.	Southwest Baptist University
Donna	Glover*	Ph.D.	Loyola University - Chicago
Thomas	Goetz	Ph.D.	CUNY- The Graduate School and University Center
Richard	Goetz*	Ph.D.	Marquette University
Richard	Goetze*	Ph.D.	American University
Julie	Golden*	M.S.	LSU Health Sciences Center
Caroline	Gomez*	Ph.D.	Auburn University
Matthew	Gonzalez*	Ph.D.	Capella University
Farzaneh	Goodarzi*	M.S.	State University of New York
Irina	Gorbunova-Ford	Ph.D.	Ministry of Education of the Russia Federation
Carolyn	Gorczynski*	M.S.	State University College
Eliza	Gordner*	J.D.	Indiana University

Robert	Gordon	D.Mgt.	University of Phoenix
Jennifer	Gordon	M.S.	SUNY at Buffalo
Jonathan	Gordon*	M.B.A.	Georgia State University
Jacob	Gordon*	M.B.A.	Northwestern University
Steven	Gordon*	Ph.D.	Arizona State University
Eddie	Gordon*	Ph.D.	Capella University
Louis	Gordon*	Ph.D.	University of Southern California
Elizabeth	Gordy*	M.S.N.	South University
Yoav	Gortzak	Ph.D.	The Ohio State University
Thomas	Goss*	Ph.D.	The Ohio State University
Myeisha	Grady*	M.A.	Governors State University
Juanita	Graham*	D.N.P.	University of Mississippi Medical Center
Silvia	Graham*	Ed.D.	Texas A & M University Commerce
Scott	Graham*	M.S.	Texas A & M University
Michael	Graham*	Ph.D.	Capella University
Elizabeth	Granier*	Ph.D.	East Carolina University
David	Granniss*	Ph.D.	Springfield College
Raymond	Grant*	D.P.A.	University of Southern California
Rhonda	Graves*	M.S.	The University of Memphis
Elizabeth	Gray*	M.A.	American Public University
Charles	Grear*	Ph.D.	Texas Christian University
Craig	Greathouse*	Ph.D.	Claremont Graduate University
Daniel	Green*	M.A.	East Carolina University
Eddie	Green*	M.A.	Webster University
Amy	Green*	Ph.D.	University of Nevada - Las Vegas
Tamey	Greene*	M.A.	Walla Walla University
Alfred	Greenfield*	Ph.D.	Virginia Commonwealth University
Earl	Greenia*	Ph.D.	University of Southern California
Steven	Greer	Ph.D.	Capella University
Charles	Gregory*	Ph.D.	Capella University
Sean	Grier*	M.S.	University of Cincinnati
Leslie	Griffin*	M.S.	Nova Southeastern University
Christine	Griffith*	M.A.	Indiana University - Bloomington
Jennifer	Grimes*	Ph.D.	Arizona State University
Gary	Grimm*	M.LIB.STD.	Fort Hays State University
Roxanne	Grosett*	M.B.A.	Northcentral University

Elizabeth	Grossi*	Ph.D.	Indiana University of Pennsylvania
Josephine	Grove*	M.B.A.	Fontbonne University
Eric	Grulke*	Ph.D.	Washington State University
Shea	Gryglewicz*	J.D.	Stetson University
George	Guay*	J.D.	Western New England College School of Law
Yuriy	Gubanov*	M.S.	University of Florida
DeNeice	Guest	M.S.	Texas Christian University
Linda	Gullatte	M.B.A.	Walden University
Alvina	Gumbayan*	M.B.A.	University of Phoenix
Angela	Gunshore	M.A.	Edinboro University of Pennsylvania
Shelly	Gussis*	M.A.	Roosevelt University
Jacqueline	Gutierrez*	Ph.D.	University of the Incarnate Word
Tricia	Gutman*	Ed.D.	Walden University
Shawn	Haake*	M. Ed.	Iowa State University
Jad	Habchi*	M.B.A.	La Sagesse University
Paul	Haberstroh*	Ph.D.	University of Hawaii at Manoa
Julie	Hacker*	M.Ed.	University of South Florida
Nellie	Haddad*	Ph.D.	University of California - Berkeley
Ginny	Haddock	M.S.	National Defense Intelligence College
Jon	Hager*	M.S.	University of New Haven
Daniel	Hahn*	M.A.	American Public University System
George	Hale*	M.B.A.	American InterContinental University
Alan	Hale*	Ph.D.	New Mexico State University
Taylor	Hall*	M.A.	University of Massachusetts - Boston
Christopher	Hall*	M.A.	University of Texas
Michael	Hall*	Ph.D.	Texas A & M University
Jennifer	Halsey	M.B.A.	Alvernia University
John	Halstead*	Ph.D.	University of Connecticut
Robert	Haluska*	M.I.S.	DeVry University
Andrew	Halverson*	M.S.	University of Louisiana - Lafayette
Cynthia	Hamilton*	M.B.A.	Argosy University - Sarasota
Michael	Hamlin*	M.Ed.	Marymount University
Belinda	Hammond*	M.A.	California State University
Linda	Hamons*	Ph.D.	Colorado Technical University
Karen	Hand	M.S.	Florida State University
Dwayn	Hanford*	M.S.	National Defense Intelligence College

Dustin	Hannum*	M.A.	SUNY at Buffalo
Sharon	Hanscom*	Ph.D.	The George Washington University
Bethanie	Hansen	D.M.A.	Boston University
William	Hanson	Ph.D.	University of Oklahoma
Janice	Harder*	Ph.D.	University of Maryland - College Park
Ryan	Harding*	M.A.	The University of York
Donna	Hardy*	M.S.	Capella University
Kenneth	Hargreaves*	M.A.	American InterContinental University
Clifton	Harmon	M.A.	Webster University
Gregory	Harms	M.B.A.	DeVry University
Christine	Harold*	M.S.	Marshall University
Brenda	Harper	D.Ed.	Nova Southeastern University
Ryan	Harper	Ph.D.	University of Rochester
Virginia	Harper*	M.Ed.	Stephen F. Austin State University
Ashley	Harper*	M.S.	Louisiana State University and A & M College
Michael	Harrell*	M.S.	The University of Louisiana at Monroe
Kathleen	Harrington*	M.S.	Stevens Institute of Technology
John	Harrington*	Ph.D.	Georgetown University
Kevin	Harris*	D.B.A.	Argosy University
Jared	Harris*	M.S.	Grand Canyon University
Frederick	Harris*	M.S.	Mountain State University
Lisa	Harris*	M.S.	Tennessee State University
Lawrence	Harris*	M.S.	Troy University
Rebecca	Harris*	Ph.D.	East Carolina University
Tracy	Harris*	Ph.D.	University of California - Irvine
Lawrence	Harrison	M.S.	Johns Hopkins University
Jamie	Harrison*	D.Ed.	University of West Georgia
James	Harrison*	M.A.	Portland State University
Rebecca	Harrison*	Ph.D.	North Carolina State University
Janine	Harrison-Poore*	M.F.A.	Chicago State University
Karen	Harrop*	M.P.H.	Johns Hopkins University
Vicki	Harsh*	M.A.	University of Colorado
Gregory	Hart*	Ph.D.	Capella University
Eric	Harter*	D.Mgt.	Case Western Reserve University
Lucas	Hartman*	Ph.D.	Capella University
Teresa	Harvey*	Ed.D.	Nova Southeastern University

Nicole	Harvey*	J.D.	Thomas M. Cooley Law School
Alysia	Harvey*	M.P.A.	Valdosta State University
Salomeh	Hasheminasab*	M.A.	St. Mary's University
Chandice	Haste-Jackson*	Ph.D.	Syracuse University
Kalani	Hausman*	M.I.T.	American InterContinental University
Timothy	Hayburn*	M.A.	Villanova University
Timothy	Hayburn*	Ph.D.	Lehigh University
Steven	Hayes*	M.S.W.	University of Houston
Victoria	Haynes*	J.D.	Loyola University
Paul	Haynes*	M.S.	Polytechnic Institute of New York University
Nicole	Heath*	J.D.	Saint Thomas University School of Law
Nancy	Heckel	M.A.	University of Rochester
Danielle	Hedegard*	Ph.D.	The University of Arizona
William	Hedgepeth*	M.B.A.	University of Phoenix
John	Hein*	M.A.	Governors State University
Edward	Heller*	M.S.	Grand Valley State University
Tanya	Heller*	M.S.	Winthrop University
Stanley	Helm*	J.D.	Creighton University
JuTon	Hemphill*	M.S.	DePaul University
Sheila	Henderson*	D.M.	Colorado Technical University
Susan	Hendry*	M.B.A.	The University of Tampa
Terri	Hennessy	M.A.	National University
William	Henninger*	Ph.D.	Iowa State University
Jennie	Hensarling	M.A.	The University of Southern Mississippi
Stacey	Hephner*	Ph.D.	Sam Houston State University
Tamara	Herdener	J.D.	University of Notre Dame
Jane	Herder*	M.Ed.	University of Missouri
Emily	Herff	M.S.	University of Edinburgh
Michele	Herrera*	Ed.D.	Vanderbilt University
Christopher	Herrmann*	Ph.D.	CUNY - The City University of New York
David	Hershey	M.B.A.	University of Phoenix
James	Hess	Ph.D.	Louisiana State University
John	Hetherington*	M.S.	Ithaca College
Ray	Hewitt*	M.A.G.	New Mexico State University
Eleanor	Hewitt*	M.S.	Kaplan University
Daniel	Hicks*	Ph.D.	Pennsylvania State University

Jaime	Higgins*	M.A.	American Military University
Wendy	Hilbert*	M.A.	American Public University
William	Hildreth*	M.B.A.	University of Phoenix
Brian	Hill*	J.D.	Saint Thomas University
Jonathan	Hill*	M.A.	Western Michigan University
Michelle	Hill*	M.S.	Johns Hopkins University
Maurene	Hinds*	M.F.A.	Vermont College of Norwich University
Erik	Hines*	Ph.D.	University of Maryland - College Park
Dylan	Hite*	M.S.	University of Southern Mississippi
Nancy	Hixson*	Ph.D.	University of Northern Colorado
Daniel	Hladky	Ph.D.	Northcentral University
Yvonne	Ho	M.A.	University of California - Los Angeles
Giles	Hoback*	M.A.	American Military University
Carol	Hoban*	Ph.D.	Georgia State University
Offie	Hobbs*	Ph.D.	Kansas State University
James	Hocker*	M.S.	The University of Oklahoma
Ellis	Hodgdon*	M.S.	Georgia Institute of Technology
Michael	Hoffman*	J.D.	Southern Methodist University
Glenda	Holcomb*	D.Mgt.	University of Phoenix
Susan	Holloway*	M.A.	National University
Michelle	Holm*	M.S.	University of Central Florida
Roderick	Holmes*	Ph.D.	University of Houston
Jon	Holstine*	Ph.D.	Indiana University - Bloomington
Carla	Homburg*	Ph.D.	Capella University
Chris	Hooper*	M.B.A.	Webster University
John	Hoptak*	M.A.	Lehigh University
Beth	Horine*	M.S.	Air University
John	Horne*	D.B.A.	Nova Southeastern University
Maureen	Horowitz	M.S.	The Florida State University
Jeffrey	Horwitz*	J.D.	University of Pittsburgh
Jacqueline	Hott	M.A.	Virginia Tech
Kristin	Houlton*	M.A.	Indiana University of Pennsylvania
Robert	Houseknecht*	Ph.D.	University of North Carolina at Chapel Hill
Kimberly	Houser*	J.D.	University of Illinois at Urbana
Natasha	Houston*	Ed.D.	Nova Southeastern University
Diane	Houston*	M.A.	Western Washington University

Sheladia	Houze*	M.Ed.	The University of Georgia
Donald	Howard*	D.Min.	McCormick Theological Seminary
Adam	Howard*	Ph.D.	University of Florida
Kenneth	Howell*	Ph.D.	Texas A & M University
Nancy	Hriljac*	M.A.	University of California - Berkeley
Matthew	Hubbs*	Ed.D.	Argosy University
James	Hudnell*	M.A.	American Military University
Augustus	Hudson*	M.S.	Nova Southern University
Ernest	Hughes	Ed.D.	Seattle University
Latanya	Hughes	M.B.A.	Strayer University
Gayle	Hughes	M.S.	Rutgers, The State University of New Jersey
Mary Ann	Hughes Butts*	D.Mgt.	University of Phoenix
Jennifer	Hughes*	M.S.	Illinois State University
Todd	Hughes*	Ph.D.	University of Wisconsin - Madison
Rebecca	Hughes-Haynes*	M.S.	Troy University
Terence	Hunt*	M.S.	Bellevue University
Calvin	Hunter*	D.S.M.	United States Sports Academy
Mary Beth	Hunter*	M.F.A.	Bennington College
Andrew	Hunter*	Ph.D.	Rensselaer Polytechnic Institute
Christopher	Huseman*	Ph.D.	Capella University
Elizabeth	Hutchings	M.S.	Brigham Young University
Daniel	Hutchins*	M.A.	University of Rochester
Richard	Hutchins*	M.B.A.	The University of West Florida
Christal	Hutton*	M.A.	University of Connecticut
Ralph	Hutton*	M.S.	University of Richmond
Katherine	Hyatt*	D.B.A.	Nova Southeastern University
Sarah	Hyde*	Ph.D.	Louisiana State University and A & M College
Kevin	Hylton*	Ph.D.	Howard University
Anthony	Ibrahim*	J.D.	Nova Southeastern University
Bernard Thompson	Ikegwuoha*	Ph.D.	Pontifical Lateran University
Victor	Ilegbodu*	Ph.D.	University of Texas Health Science Center at Houston
Scott	Infanger*	Ph.D.	Vanderbilt University
Laura	Inglis*	M.S.	Austin Peay State University
Andrew	Ingraham*	M.S.	Capitol College
Todd	Isaacson*	Ph.D.	Capella University
Melody	Isaak*	D.B.A.	Northcentral University

Marie	Isom	Ed.D.	Argosy University
Dawn	Iwamasa*	M.A.	University of the Pacific
Brett	Jackman*	M.S.	Embry-Riddle Aeronautical University
Katherine	Jackson*	M.A.	The University of Maine
Mahshid	Jalilvand*	Ph.D.	University of Nebraska - Lincoln
Alidad	Jalinous*	M.S.	University of Colorado
Veronica	James*	M.P.H.	Jackson State University
Jeffrey	James*	Ph.D.	Syracuse University
Kevin	James*	Ph.D.	University of Illinois at Chicago
Ezekiel	Jarvis*	Ph.D.	University of Wisconsin - Milwaukee
Peter	Jaske*	M.S.	Indiana State University
Tom	Javarinis*	Ph.D.	Capella University
Reginald	Jayne*	M.A.	Sam Houston State University
Rodney	Jean-Baptiste*	Ph.D.	Capella University
Mariah	Jeffery*	Ph.D.	University of Central Florida
Tionna	Jenkins*	M.P.H.	Fay W. Boozman College of Public Health
Patrick	Jennings*	Ph.D.	Loyola University of Chicago
Bryan	Jensen*	M.S.	Bellevue University
Eric	Jensen*	M.S.	Nova Southeastern University
Tonya	Jeppesen*	M.S.	Minnesota State University
Kelly	Jernigan	M.A.	Louisiana State University and A & M College
Reginald	Jeter*	J.D.	The University of Alabama
Gordon	Jett*	M.A.	Webster University
Jennifer	Jewell*	M.S.	Palm Beach Atlantic University
Ronald	Jeziorski*	Ed.D.	University of San Francisco
Ting	Jiang*	Ph.D.	University of California - Irvine
Sabrina	Jimenez*	M.A.	University of California - Riverside
David	Jimenez*	M.A.	Webster University
Stephen	Jobe*	M.A.	Converse College
Jenny	Johnson	M.S.	California University of Pennsylvania
Ronald	Johnson	Ph.D.	The University of Oklahoma
Charles	Johnson*	D.B.A.	Jones International University
Scott	Johnson*	Ed.D.	West Virginia University
James	Johnson*	J.D.	Faulkner University
Richard	Johnson*	M.S.	California University of Pennsylvania
Nichole	Johnson*	M.S.	Capella University

Alissa	Johnson*	Ph.D.	Capella University
Bradley	Johnson*	Ph.D.	Capella University
Bruce	Johnson*	Ph.D.	Capella University
Stephanie	Johnson*	Ph.D.	Colorado State University
Philip	Johnson*	Ph.D.	The University of Arizona
Sarah	Johnson*	Ph.D.	The University of Texas - Austin
Deborah	Jones*	Ed.D.	Argosy University
Stephen	Jones*	M.P.A.	American Public University
Kisha	Jones*	M.S.	Alfred University
Reginald	Jones*	Ph.D.	Howard University
Christopher	Jones*	Ph.D.	Northern Illinois University
James	Jones*	Ph.D.	The Ohio State University
Lauren	Jordan*	Ph.D.	East Carolina University
Joan	Jorgensen*	Ph.D.	Capella University
Ajit	Joseph*	Ph.D.	Utah State University
Ljubica	Jovanovic*	Ph.D.	Vanderbilt University
Donna	Joy*	Ph.D.	Virginia Tech
Stephen	Juaire	Ph.D.	Florida State University
Michael	Judd*	Ph.D.	University of Southern California
Sharon	Jumper*	J.D.	Wake Forest University
Dallas	Jurisevic*	Ph.D.	University of Nebraska - Lincoln
Johnny	Justice*	M.S.	Nova Southeastern University
Paul	Kahan*	Ph.D.	Temple University
Frederick	Kalisz*	Ph.D.	Northeastern University
Eric	Kallio*	Ph.D.	Northcentral University
Elizabeth	Kalos*	M.A.	Tulane University
Ahmed	Kamel	Ph.D.	Auburn University
Kristen	Kane*	Ph.D.	The Florida State University
Robert	Kane*	Ph.D.	University of California - Los Angeles
Mily	Kao*	Ph.D.	Arizona State University
Pan-Chuane	Kao*	Ph.D.	Walden University
Louay	Karadsheh*	Ph.D.	Lawrence Technological University
John	Karonika*	Ph.D.	Texas A & M University
Mark	Kass*	Ph.D.	University of Missouri
Andrea	Katolin*	M.A.	Truman State University
Aristotle	Katopodis*	M.B.A.	California State University - Long Beach

Lynda	Katz*	M.S.	Florida State University
Dana	Kaufman*	J.D.	DePaul University
Christian	Kazmierczak	M.S.A.	Central Michigan University
Allison	Keane*	M.A.	SUNY at Binghamton
Lisa	Kearney*	Ph.D.	Northcentral University
Merritt	Kearns	M.Ed.	Georgia Southern University
Elizabeth	Keavney*	Ph.D.	Walden University
Bruce	Keisling	Ph.D.	Auburn University
Tricia	Keiter	D.C.	Life University
Lori	Kelley	M.A.	University of New Orleans
Mark	Kelley	Ph.D.	The City University of New York
Rebecca	Kelley*	D.B.A.	Argosy University
Tynnetta	Kelley*	D.M.	University of Phoenix
Thomas	Kelley*	Ph.D.	Florida State University
Leonard	Kelly	Ph.D.	University of Connecticut
Thomas	Kelly	Ph.D.	University of Illinois at Chicago
Leslie	Kelly	Ph.D.	University of Pennsylvania
Brian	Kelly*	M.A.	American Military University
Charles	Kelly*	Ph.D.	The University of Southern Mississippi
Mark	Kelso*	Ph.D.	Northcentral University
Amy	Kemp*	M.A.	The University of Alabama
Herbert	Kemp*	Ph.D.	Capella University
Shannon	Kenagy*	M.S.	Florida State University
Sheri	Kendall-duPont*	M.A.	Roosevelt University
Donna	Kenley*	Ph.D.	George Mason University
Anne	Kennedy	Ph.D.	Bowling Green State University
James	Kernan*	Ph.D.	West Virginia University
Andria	Kerney*	J.D.	Indiana University
Deborah	Ketchum*	M.A.	Longwood University
Andre	Key*	Ph.D.	Temple University
Deborah	Kidwell*	Ph.D.	University of Kansas
Sean	Kielty*	J.D.	Rutgers, The State University of New Jersey
Amanda	Kik*	M.F.A.	California Institute of the Arts
Bernadette	Kilcer*	M.A.	American Military University
Robert	Kilgo*	M.S.	University of North Dakota
Grayson	Kimball*	Ph.D.	Springfield College

Jonathan	Kimble*	M.B.A.	University of Phoenix
Jon	Kimminau*	Ph.D.	The Ohio State University
Ralph	King	M.S.	Rensselaer Polytechnic Institute
Robert	King*	Ed.S.	Walden University
Michael	King*	M.A.	Vermont College of Norwich University
A	King*	Ph.D.	Colorado State University
Alissa	King*	Ph.D.	Iowa State University
Thomas	King*	Ph.D.	University of South Florida
Tara	King-Miller*	M.A.	University of Central Florida
Jeffrey	Kingsbury*	M.D.	SUNY at Buffalo
Ashley Marie	Kingsley*	M.S.	Long Island University
Matthew	Kioko*	M.I.S.	DeVry University
Steve	Kipuros*	M.B.A.	Babson College
Robert	Kirkland*	Ph.D.	University of Pittsburgh
Thomas	Kirkwood*	Ph.D.	University of Colorado
Roy	Kirvan*	Ph.D.	Rutgers, The State University of New Jersey
Gerald	Kissel*	Ed.D.	Temple University
Detlef	Klann*	M.S.	Embry-Riddle Aeronautical University
Kevin	Kloesel*	Ph.D.	The Pennsylvania State University
Jonathan	Klug*	M.A.	Louisiana State University and A & M College
James	Knapp*	Ph.D.	University of North Texas
Bruce	Knee*	M.S.	American Military University
Allison	Knox	M.A.	American Public University System
Teresa	Knox*	J.D.	University of South Carolina
Richard	Kochersperger*	M.P.S.	Cornell University
Lisa	Kochevar	M.A.	California State University - San Bernardino
Barbara	Koehler-Miles*	J.D.	University of Denver
Nelson	Kofie*	Ph.D.	The George Washington University
Jacques	Koko*	Ph.D.	Nova Southeastern University
David	Kolb*	M.A.	American Public University
Peter	Koloski*	M.B.A.	Montclair State University
Yukinori	Komine*	Ph.D.	University of Lancaster
David	Konkle*	M.Ed.	Bowie State College
Karolina	Kopczynski*	Ed.D.	University of Phoenix
Jeffrey	Kosse*	Ph.D.	University of Nebraska - Lincoln
Kristen	Kostelnik	M.S.	North Carolina State University

Samer	Koutoubi*	Ph.D.	Florida International University
Tina	Kovar*	M.S.	Kaplan University
Clifton	Krahenbill*	M.S.	Capella University
Belkacem	Kraimeche	Ph.D.	Columbia University In The City of New York
Elizabeth	Kraske*	M.S.	The George Washington University
William	Krauss*	Ed.D.	The George Washington University
John	Kreis	Ph.D.	University of Missouri - Columbia
Barbara	Kreling*	Ph.D.	Walden University
John	Krop*	M.S.	University of Maryland University College
Attapol	Kuanliang*	Ph.D.	Prairie View A & M University
John	Kuhn*	Ph.D.	University of Central Florida
Lori	Kupczynski*	Ed.D.	Texas A & M University - Kingsville
Brian	Kupfer*	Ph.D.	Claremont Graduate University
Kevin	Kupietz*	Ph.D.	Capella University
Mary Ann	Kurinovich*	Ph.D.	Rutgers, The State University of New Jersey
Leonard	Kusnitz*	Ph.D.	The University of Chicago
Anna	Kuthy*	Ph.D.	Old Dominion University
Kara	Kuvakas*	M.E.S.M.	University of California
Rosemary	Kwa*	M.A.	University of California - Irvine
John	Kwagyan*	Ph.D.	Temple University
Heidi	Kyle	M.A.	Washington State University
Edward	LaBarge*	M.S.	Capella University
Kimberly	Lacy*	M.Ed.	The University of Texas - Austin
Lucy	Laffitte*	Ph.D.	North Carolina State University
Gregory	Laird*	M.A.	Webster University
Charles	Lamb*	J.D.	The University of Georgia
Gregory	LaMotta*	Ph.D.	University of Maryland - College Park
Phyllis	Langone*	Ph.D.	The City University of New York
Guy	Langvardt*	Ph.D.	Capella University
Jason	Lantzer*	Ph.D.	Indiana University - Bloomington
Shari	Laprise*	Ph.D.	Tufts University
Deanne	Larson	D.Mgt.	University of Phoenix
Jacklyn	Larson*	M.A.	Purdue University
Donald	Latrick*	M.A.	St. Mary's Seminary and University
Deborah	Laufersweiler-Dwyer*	Ph.D.	Virginia Commonwealth University
Jennifer	Lauren*	Ph.D.	Duquesne University

Richard	Lavigne*	M.A.	American Military University
Keri	Law*	M.A.	West Virginia University
Jeremy	Lawhorn*	M.A.	Norwich University
Wendy	Lawrence*	M.S.	Massachusetts Institute of Technology
Leigh	Lawrie*	M.T.A.	The George Washington University
David	Lawson*	D.Mgt.	Webster University
Kevin	Lawson*	M.Div.	Ashland Theological Seminary
Alex	Lazo	Ph.D.	Capella University
Andrew	Lazo*	M.A.	New Mexico State University
Frank	Lazzara*	Ph.D.	Capella University
Thomas	Leamy	M.A.	Northeastern University
Jeffrey	Leatherwood	Ph.D.	West Virginia University
Bethany	Leavens*	Ph.D.	University of Virginia
Cynthia	Lederer-Sydnor*	Ph.D.	Union Institute & University
Calinda	Lee*	Ph.D.	Emory University
Georgette	Lee*	Ph.D.	University of Illinois at Chicago
Rhonda	Lee-Ernest*	Ph.D.	Capella University
Marian	Leerburger*	Ph.D.	University of Maryland - College Park
Brett	Legault*	M.Ed.	Lesley University
Elizabeth	Legault*	M.Ed.	Salem State College
Walter	Legg*	M.S.S.	United States Sports Academy
Debra	Lehman*	M.S.	Oklahoma State University
Alyse	Lehrke*	M.A.	Spring Arbor University
Richard	Leiter	Ph.D.	Michigan State University
Dana	Leland*	Ph.D.	Northcentral University
Loretta	LeMay*	Ph.D.	Indiana University - Bloomington
Nygel	Lenz*	M.S.	Florida State University
Melissa	Leonhardt*	M.A.	Lenoir-Rhyne University
Carl	Letsche*	Ph.D.	Indiana University
Judith	Levin*	M.S.	Central Connecticut State College
Michael	Levy*	M.B.A.	Northwestern University
Sarit	Levy*	Ph.D.	Trident University International
Kathy	Lewis Jackson*	M.S.	Kaplan University
Jason	Lewis*	D.M.	University of Phoenix
Joshua	Lewis*	M.A.	Webster University
Michael	Lewis*	M.B.A.	Northcentral University

Diane	Lewis*	M.Ed.	University of Phoenix
Leslie	Lewis*	M.H.A.	Bellevue University
WenChing	LiaoDuffy*	M.A.	St. Mary's University
Gary	Liguori*	Ph.D.	Dakota State University
Meiling	Lim*	Ed.D.	University of Massachusetts - Amherst
Fatima	Lim-Wilson*	Ph.D.	University of Denver
Colleen	Lindecker*	Ph.D.	Capella University
Cynthia	Lindenmeyer*	M.Div.	Duke University
Vincent	Lindenmeyer*	Ph.D.	Northcentral University
Nathan	Lindsay*	M.S.	National Defense University
Steven	Lindstrom*	Ph.D.	Capella University
James	Lint*	M.B.A.	Touro University International
Cecelia	Lipscomb-Hammond*	D.P.N.	University of Alabama - Birmingham
Stacey	Little	Ph.D.	Indiana Tech
Nathaniel	Litton*	Ph.D.	Texas A & M University
Patricia	Litz*	M.S.	University of Colorado
Jeremy	Livingston*	M.S.	Strayer University
Lanita	Lloyd*	M.S.	Jacksonville State University
Heidi	Lockwood	M.Ed.	University of Oregon
Wendy	Lodge*	M.S.Ed.	Dominican University
Thomas	Lombardi*	M.A.	The University of Montana
Daniel	Look*	Ph.D.	Boston University
Matthew	Loux	M.S.	University of Central Missouri
Susan	Lowman-Thomas	M.A.	Idaho State University
Ryan	Loyd*	M.A.	West Texas A & M
Andrew	Luadzers*	J.D.	Charleston School of Law
Devorah	Lucas*	D.B.H.	Arizona State University
Brett	Lucas*	M.A.	California State University
Pamela	Lucas*	M.A.	Naval War College
Monica	Ludwig	M.Ed.	Towson University
Shelia	Luke*	M.S.	University of Maryland - College Park
Lynn	Lunceford*	M.A.	Alliant International University
Wenbin	Luo*	Ph.D.	The University of New Mexico
Crystal	Lupo*	Ph.D.	Auburn University
Kevin	Lux*	M.S.	University of Pennsylvania
James	Lynch*	M.A.	Indiana University - Bloomington

Anna	Lynch*	M.S.Ed.	Indiana University - Bloomington
Elliott	Lynn	Ph.D.	Capella University
Teresa	Maas*	Ph.D.	Capella University
Ana	Machuca*	Ph.D.	Northcentral University
Wayne	MacKenzie	M.S.	The University of Alabama - Huntsville
Jason	MacLeod*	M.F.A.	The University of Montana
Don Kirk	Macon	Ph.D.	Universidad Central de Nicaragua
Rachel	Madsen*	Ph.D.	University of Connecticut
Floyd	Maertens	M.B.A.	Western New England College
Sherrilyn	Magby*	M.I.S.	North Carolina Central University
Craig	Magee*	M.B.A.	Touro University International
Bryan	Maggard*	Ph.D.	University of Missouri - Columbia
Nancy	Mahan*	M.S.	California State University - Long Beach
Mehrdad	Mahmoudi Zarandi*	Ph.D.	California Institute of Technology
Richard	Mahoney*	M.A.	Naval War College
Carrie	Maison*	M.F.A.	Queens University
John	Majewicz*	Ph.D.	Temple University
Bilal	Makkawi*	Ph.D.	Florida International University
Walter	Makovoz*	Ph.D.	The Union Institute
Orlando	Malate*	M.B.A.	Saint Xavier University
Matthew	Malloy*	M.A.	New York University
Julie	Malmberg*	M.S.	University of Illinois at Urbana - Champaign
Juana	Malone*	M.B.A.	Florida Institute of Technology
Timothy	Malone*	Ph.D.	Union Institute & University
Anita	Mamoran*	M.S.	Troy University
Gregory	Mandalas	M.Ed.	Gannon University
Kathleen	Mangeri	M.A.	Trenton State College
Anthony	Mangeri*	M.P.A.	Rutgers, The State University of New Jersey
Jacqueline	Mangieri*	Ph.D.	Capella University
Ronald	Mangum*	J.D.	Northwestern University
Susan	Mangus*	M.B.A.	University of Phoenix
Fiona	Mani*	Ph.D.	West Virginia University
Travis	Mann*	M.P.A.	Georgia State University
Pat	Mann*	Ph.D.	Argosy University
Amanda	Manners*	D.Mgt.	Phoenix University
Shawn	Manning*	M.S.	California University of Pennsylvania

Benjamin	Manning*	M.S.	University of Southern Mississippi
Fernando	Manrique*	Ph.D.	Arizona State University
Kennedy	Maranga*	Ph.D.	Walden University
Dustin	Marema*	M.I.S.	University of Phoenix
Mark	Marino*	Ed.M.	SUNY at Buffalo
Eugene	Marino*	M.A.	University of Missouri - Columbia
James	Marion*	Ph.D.	Capella University
Jennifer	Markusic*	M.S.	Bowling Green State University
Robert	Marlett	M.S.	Naval Postgraduate School
Lynn	Marlowe	M.A.	New York University
Heather	Marnell	M.B.A.	University of Baltimore
Joseph	Marra*	M.S.	Massachusetts Institute of Technology
Jeffrey	Marsee*	Ph.D.	A. T. Still University
Ariana	Marshall*	Ph.D.	Florida A & M University
Karen	Marshall*	Ph.D.	Virginia Tech
Brian	Marsteller*	Ph.D.	Michigan State University
Michael	Marticek*	D.B.A.	Walden University
Kristie	Martin*	M.A.	Richard Bland College
Deborah	Martin*	M.S.	American Military University
Eduardo	Martinez*	J.D.	Mississippi College
Nicole	Martinez*	Ph.D.	University of Illinois - Chicago
Ashley	Martucci*	Ed.D.	West Virginia University
Bahir	Masadeh*	Ph.D.	Teachers College Columbia University
Gale	Mason Chagil*	Ph.D.	University of Minnesota
Lila	Massa*	M.S.	Indiana State University
Miriam	Masullo*	Ph.D.	The City University of New York
Ramona	Mata*	M.A.	Bellevue University
Robert	Matahen*	M.B.A.	Northcentral University
Robert	Matahen*	M.S.	Thomas A. Edison State College
Robert	Mathis*	Ph.D.	Capella University
Smita	Mathur*	Ph.D.	Syracuse University
Neil	Mathur*	Ph.D.	Union Institute & University
Melissa	Matteau*	Ph.D.	University of California - Irvine
Angela	Matthews	M.A.	The University of Toledo
Wayne	Matthews*	D.P.A.	University of South Carolina
Diane	Maye*	M.A.	Naval Postgraduate School

Virginia	Mayer*	Ph.D.	Harvard University
Ronald	Mayne*	Ph.D.	The University of Tennessee
Melissa	Mays*	D.N.P.	University of Alabama - Birmingham
Francis	Mbamalu*	M.S.	University of Maryland, Baltimore County
Andrea	McAfee	M.P.P.	University of Maryland
Shannon	McAteer*	D.P.A.	Walden University
Melanie	McBride	Ph.D.	McMaster University
Craig	McBride*	Ph.D.	University of Arkansas
James	McCarthy*	M.B.A.	Suffolk University
Stephen	McCauley*	D.B.A.	Walden University
Krystle	McClain*	M.E.	University of Maryland
Rebecca	McClay*	D.C.	Texas Chiropractic College
Jennifer	McCollum*	Ph.D.	University of Washington
William	McConnell*	D.Mgt.	University of Phoenix
Maryann	McCool*	J.D.	Rutgers, The State University of New Jersey
Jennifer	McCoy*	M.S.	Brigham Young University
Donald	McCracken*	Ph.D.	Northcentral University
Matthew	McCue*	M.F.A.	Columbia University - NY
Heather	McCumber*	M.A.	Ashford University
Peter	McDanel*	D.B.A.	Nova Southeastern University
Sandra	McDavid	J.D.	Saint Louis University
Stefanie	McDonald*	Ph.D.	University of California
Robert	McDowell	Ed.D.	The George Washington University
Christopher	McFarlin*	J.D.	Texas Southern University
Marc	McGrath	M.A.	California State University - Dominguez Hills
Robert	McKay*	M.S.	University of Oregon
Elizabeth	McKee*	J.D.	Syracuse University
Jennifer	McKee*	M.S.	University of Colorado
Robert	McKinley*	M.A.	National University
Robert	McKinley*	M.S.	Liberty University
Jeanette	McLaughlin*	M.A.	Youngstown State University
Kevin	McLaughlin*	M.S.	Nova Southeastern University
Alister	McLeod*	Ph.D.	Purdue University
Kelly	McMichael	Ph.D.	University of North Texas
Philip	McNair*	M.A.	Naval War College
Corey	McNair*	M.S.	University of Wisconsin - Stout

Steven	McNally	M.A.	Webster University
Heidi	McNally	M.S.	Nova Southeastern University
Erin	McNary*	Ph.D.	Indiana University - Bloomington
Kimberly	McNeal*	M.A.	Western Govenors University
Michael	McNeal*	Ph.D.	University of Denver
Robert	Mead*	M.S.	Joint Military Intelligence College
Julian	Meade*	M.S.	National Defense Intelligence College
Tammy	Means*	Ph.D.	The Pennsylvania State University
Paul	Medhurst*	Ph.D.	University of Middlesex
Amanda	Meeks	M.A.	Mercy College
Aaron	Mehl*	M.S.	Virginia Commonwealth University
Theresa	Melenas*	Ed.D.	University of Phoenix
Rob	Mellen*	Ph.D.	Washington State University
Robert	Melton*	Ph.D.	University of Illinois at Urbana
Jolene	Mendel	M.A.	Chapman University
Manuel	Menocal*	M.C.J.	Boston University
Virginia	Merlini*	Ph.D.	University of Connecticut
Thomas	Messer*	M.S.	Fordham University
Kurt	Messick	M.Div.	Christian Theological Seminary
Marc	Mestyaneek*	M.A.	Pepperdine University
Kevin	Metcalf*	J.D.	University of Arkansas
Randy	Meyer*	M.A.	Norwich University
Carol	Meyer*	M.B.A.	New York University
Gregory	Meyer*	M.S.	Bowie State University
Adam	Meyer*	M.S.	Capitol College
Donald	Meyerhoff*	M.A.	Webster University
Richard	Meyers	M.S.	The University of Southern Mississippi
Stella	Michael Makri*	Ph.D.	Texas A & M University - Commerce
LeConte	Middleton*	Ed.D.	South Carolina State University
Vincent	Mikkelsen	Ph.D.	Florida State University
Jon	Mikolashek	Ph.D.	Florida State University
George	Mikulski*	Ph.D.	Nova Southeastern University
Douglas	Mikutel*	Ph.D.	Florida State University
Julie	Milcoff*	M.Div.	American Baptist Seminary of the West
David	Milen*	Ph.D.	Walden University
Lisa	Miller	Ph.D.	The Ohio State University

Andrew	Miller*	J.D.	Seattle University
Bret	Miller*	M.A.	American Public University
Robin	Miller*	M.A.	University of Virginia
Marsha	Miller*	M.Ed.	Grand Valley State University
Ellen	Miller*	M.Ed.	Southeastern Louisiana University
Kim	Miller*	M.S.	Kaplan University
Lori	Miller*	M.S.	McDaniel College
Lara	Miller*	M.S.	The George Washington University
Andrew	Miller*	Ph.D.	Purdue University
Gregory	Miller*	Ph.D.	The University of Toledo
Jeffrey	Miller*	Ph.D.	University of Southern California
Brad	Millick*	Ph.D.	The Catholic University of America
Thomas	Milnes III*	M.A.	St. Mary's University
Dana	Milstein*	M.Phil.	CUNY - The Graduate School and University Center
Michael	Miner	M.A.	University of Maryland
Kelly	Mink*	Ph.D.	Loyola University of Chicago
Gary	Minor*	J.D.	Seattle University
Nicole	Minor*	Ph.D.	Washington University in St. Louis
Kristina	Mirkadyrova*	M.A.	The University of Arizona
Lori	Moayed*	M.S.	Walden University
Deborah	Moerland*	Ed.D.	Argosy University
Amanda	Molinari*	J.D.	Widener University
Joseph	Molyneux*	Ph.D.	University of New Orleans
Michele	Monaco	Sc.D.	Rocky Mountain University
Anthony	Monaco*	M.S.	University of Miami
Richard	Monahan*	D.P.S.	Pace University - New York
Elizabeth	Moneymaker*	J.D.	University of Kansas
Vikki	Montgomery*	M.A.	Wesley Theological Seminary
Timothy	Moore	M.S.	American Military University
John	Moore	Ph.D.	Northcentral University
MiShawna	Moore*	D.Ed.	Walden University
Rodger	Moore*	M.A.	Webster University
Robin	Moore*	M.S.	American University
David	Moore*	Ph.D.	Nova Southeastern University
Mark	Moore*	Ph.D.	University of Pittsburgh
Jimmy	Mopecha*	Ph.D.	Arizona State University

Jose	Mora	Ph.D.	University of Connecticut
Doris	Morales-Shepherd*	M.A.	University of Maryland
Terri	Moran*	M.F.A.	University of Nebraska - Omaha
Elizabeth	Morford*	M.S.Ed.	Baylor University
Jeffrey	Morgan*	M.F.A.	Pennsylvania State University
William	Morris*	J.D.	University of North Carolina at Chapel Hill
Nancy	Morris*	M.B.A.	Seattle University
Brett	Morris*	Ph.D.	The University of Alabama
Emily	Morrison*	Ph.D.	Michigan State University
Karen	Morrisette*	J.D.	SUNY at Buffalo - School of Law
Chris	Morton*	M.A.	University of New Orleans
Susan	Mosby	M.Ed.	Washington State University
Angela	Mosby*	Ph.D.	Capella University
James	Moten*	Ph.D.	Northcentral University
Rebekah	Moughon*	M.A.	Georgetown University
Tamara	Mouras*	Ph.D.	Capella University
Seyyed Abbas	Mousavi*	Ph.D.	Griffith University
Carmen	Mousel	Ph.D.	Capella University
Tina	Mrouri	A.L.M.	University of St. Thomas
Bethany	Mueller*	M.A.	Bowling Green State University
Frank	Mueller*	M.S.	American Military University
Eve	Mueller*	M.S.	Oakland City University
Kimberly	Muirhead*	Ph.D.	Duquesne University
Katherina	Muller*	Ed.D.	West Virginia University
Robert	Mullins*	J.D.	University of Oregon
Kimberley	Mumford*	M.A.	University of Phoenix
Hans	Mumm*	M.A.	American Military University
George	Munkenbeck	M.A.	American Public University
Pavel	Murdzhev*	Ph.D.	University of Florida
Elisabeth	Murfield*	Ph.D.	Capella University
Leah	Murray*	M.S.	Rochester Institute of Technology
Nicholas	Murray*	Ph.D.	University of Florida
Matasha	Murrell Jones*	D.Mgt.	University of Phoenix
Naeem	Musa*	M.S.	The George Washington University
Anthony	Muscia*	D.B.A.	Nova Southeastern University
Danan	Myers	Ph.D.	Capella University

James	Myers	Ph.D.	Rutgers, The State University of New Jersey
Christopher	Myers	Ph.D.	The University of Iowa
Carole	Myers*	M.B.A.	Sullivan University
Carrie	Myers*	M.S.	Central Michigan University
Valerie	Myers*	M.S.	Walden University
Stephanie	Myers-Hunziker	Ph.D.	SUNY at Albany
Peter	Mylonakos*	M.S.	Dakota State University
Coleman	Myron	Ph.D.	Duquesne University
Darwin	Naccarato	M.B.A.	Regis University
Rachel	Nagel*	Ed.D.	Nova Southeastern University
Ali Mercedes	Nalls*	Ph.D.	Florida State University
Enid	Naranjo	J.D.	Inter American University of Puerto Rico
Leonard	Nardone*	Ed.D.	Temple University
Christy	Nash*	J.D.	Stetson University
Chellammal	Natarajan*	M.S.	Manonmaniam Sundaranar University
Denise	Nation*	Ph.D.	University of Cincinnati
Nina	Natoli	D.Mgt.	University of Phoenix
Michael	Navrkal*	M.S.Sc.	United States Army War College
Crystal	Nedik*	M.B.A.	Saint Leo University
Robert	Needles*	M.B.A.	Indiana University
Marc	Neerman*	M.A.	Webster University
Shane	Nelson	M.Mgt.	University of Phoenix
Ann	Nelson*	Ph.D.	Northcentral University
Irene	Nero	Ph.D.	Florida State University
Nicole	Nesberg*	M.A.	Eastern Michigan University
Wendy	Nesheim*	Ph.D.	Capella University
Barbara	Netzer*	M.S.N.	University of Phoenix
Paul	Neuberger*	M.A.	Saint Louis University
Randall	Newell*	D.B.A.	Nova Southeastern University
James	Newell*	Ph.D.	Vanderbilt University
Steven	Newman*	Ph.D.	University at Albany - SUNY
Michael	Ng*	Ph.D.	University of London, Royal Holloway
Zantel	Nichols*	M.A.	Texas Southern University
Charles	Nichols*	Ph.D.	Union Institute & University
Shana	Nicholson*	Ph.D.	Capella University
Donna	Nicol*	Ph.D.	The Ohio State University

Joseph	Niehaus*	M.S.	Tiffin University
Gwendollyn	Noble-Wold*	M.A.	The Pennsylvania State University
Cynthia	Nolan	Ph.D.	American University
Brent	Norris*	M.Acc.	Bowling Green State University
Samone	Norsworthy*	M.S.	Duquesne University
Tammy	Northrup*	M.I.T.	American InterContinental University
Mary	Norton*	M.A.	University of Phoenix
Jennifer	Novak*	M.A.	Seton Hall University
Justin	Novak*	M.P.A.	University of Pittsburgh
Andrew	Novo*	Ph.D.	University of Oxford
Christopher	Nuneviller*	J.D.	Widener University
Michael	Nunnelly	M.Ed.	Auburn University
Gideon	Nwatu*	Ph.D.	Walden University
Ekwuniru	Nwokeji*	Ph.D.	Southern University and A & M
Matthew	Nwokoji*	Ph.D.	Walden University
Obed	Nyaribo*	D.B.A.	Walden University
Aaron	Oberman*	Ph.D.	The University of Tennessee
Liam	O'Brien*	M.S.	National Defense University
Anne	O'Bryan*	Ph.D.	Iowa State University
Heather	O'Connell*	Ph.D.	University of Oregon
Wayne	Odachowski*	M.A.	American Public University
Brian	Oddi	Ph.D.	Trident University International
Yaniv	Oded*	M.S.	California State University - Monterey Bay
Ilknur	Oded*	Ph.D.	University of Maryland
Segun	Odion*	D.Mgt.	University of Phoenix
George	Ojie-Ahamiojie*	Ed.D.	Argosy University
Angel Elle	OKeeffe*	M.B.A.	DeVry University
Mary	Olea	M.A.	Stanford University
Brandy	O'Leary*	M.S.Ed.	Walden University
Allen	Olsen*	M.A.	CUNY - Lehman College
Debra	Olson*	M.A.	Central Washington University
Laura	Olson*	M.A.	University of Illinois at Chicago
Peter	Olszewski*	M.S.	Fairfield University
Steven	Oluic*	Ph.D.	Kent State University
Kristin	Ondrak*	Ph.D.	University of North Carolina at Chapel Hill
Kathrine	O'Neil	Ph.D.	The Ohio State University

Patricia	ONeill*	Ph.D.	University of Washington
Daniel	Opstal*	M.S.	National Intelligence University
Tiffany	Orcesi*	M.P.A.	Murray State University
Elizabeth	Orehovec*	M.Ed.	University of South Carolina
Franklin	Orellana*	M.I.T.	American InterContinental University
Ronald	Ortensie*	M.A.	Purdue University
Juan	Ortiz*	M.A.	Webster University
Eliza	Osae-Kwapong*	M.S.	Towson University
Jennifer	Osetek*	M.H.S.	The Pennsylvania State University
Michael	O'Shea*	Ph.D.	University of Delaware
Roxanne	Ostlund	M.A.	Regent University
Richard	Ostrov*	J.D.	Western New England University - School of Law
Penny	Otey*	Ph.D.	Texas A & M University
Penny	Otey*	Ph.D.	Texas A & M University
Kimberly	Otterstetter	M.B.A.	Davenport University
Jeffrey	Otterstetter*	M.B.A.	Wayne State University
Godwin	Otuno*	M.S.	Middle Tennessee State University
Bert	Ouderkirk*	M.S.	National University
Denise	Outlaw	D.Mgt.	University of Phoenix
Ozge	Ovun Sert*	M.B.A.	University of Maryland University College
Rosalie	Owens	Ph.D.	Regent University
Susan	Pacifico*	M.Ed.	George Mason University
Simon	Pack*	Ph.D.	The Ohio State University
Gary	Palmer*	J.D.	University of Miami
Shelley	Palmer*	M.A.	University of North Carolina at Charlotte
Aaron	Palmer*	Ph.D.	Georgetown University
Leslie	Pang*	Ph.D.	University of Utah
Biswajit	Panja*	Ph.D.	Missouri University of Science and Technology
Lisa	Pannone*	J.D.	Valparaiso University
Heather	Para*	M.A.	Duquesne University
Angela	Parham*	Ph.D.	Howard University
Vera	Parham*	Ph.D.	University of California
Delano	Parker*	Ed.D.	Argosy University
James	Parker*	M.B.A.	Webber International University
Kimberly	Parker*	Ph.D.	The University of Georgia
Pamela	Parkinson*	J.D.	The University of Utah

Tiffany	Parkman*	Ph.D.	Virginia Tech
Heather	Parks*	M.A.	Saint Louis University
Elizabeth	Parmelee*	Ph.D.	University of Denver
Andrew	Parrish*	Ph.D.	The University of Memphis
Evelyn	Paschal*	Ph.D.	Walden University
John	Patch*	M.A.	Villanova University
Brent	Paterline*	Ph.D.	Georgia State University
Carla	Paton*	M.A.	Pacifica Graduate Institute
Christopher	Patterson*	M.P.A.	University of Oklahoma
David	Patton	M.B.A.	Liberty University
Joy	Patton*	M.S.	Troy University
James	Patton*	Ph.D.	The University of Tennessee
Karen	Paullet	D.Sc.	Robert Morris University
Jean	Paulsel*	Ph.D.	Texas Woman's University
Nillab	Pazhwak*	M.Ed.	Strayer University
Loretta	Pearson*	M.S.	Northern Illinois University
David	Peavler*	Ph.D.	University of Kansas
Stacy	Peerbolte*	Ph.D.	Walden University
Glenn	Peitzmeier*	M.S.	Indiana State University
Frank	Pelli	M.A.	Pepperdine University
William	Pendergrass*	D.Sc.	Robert Morris University
William	Pendergrass*	M.S.	Naval Postgraduate School
Karen	Pentz*	D.B.A.	University of Phoenix
David	Pepper*	Ph.D.	Louisiana State University and A & M College
Ann	Peretzman*	M.B.A.	New York University
Terri	Perez	M.A.	Texas A & M University
Timothy	Perez*	D.Sc.	Dakota State University
Benjamin	Perez*	M.S.	National University
Sandra	Perez*	M.S.	Stevens Institute of Technology
Kimberly	Perkins*	D.H.A.	University of Phoenix
Mindy	Perot*	Ph.D.	Trident University International
Lisa	Perry*	Ph.D.	Arkansas State University - Jonesboro
Ruth	Perry*	Ph.D.	Texas A & M University
Elizabeth	Persson*	D.B.A.	Walden University
Slobodan	Pesic	D.B.A.	Argosy University
Kevin	Peters*	M.B.A.	The Pennsylvania State University

Amy	Peterson	Ed.D.	Northcentral University
Polly	Peterson*	M.S.W.	University of Maryland, Baltimore County
David	Petriello*	D.A.	St. John's University
Marrius	Pettiford*	Ph.D.	North Carolina State University
Daniel	Pettus*	M.S.	Southern Illinois University
John	Pezzola*	M.A.	American Military University
Thomas	Pfundstein	Ph.D.	University of Akron
Kenyatta	Phelps*	Ph.D.	Bowling Green State University
Melissa	Phillips*	M.A.	Kent State University
JoDee	Phillips*	M.B.A.	Marylhurst University
Lisset	Pickens	Ed.D.	Nova Southeastern University
Robbie	Piel*	M.B.A.	Johnson & Wales University
Anne	Pieron*	J.D.	Rutgers, The State University of New Jersey
Hyppolite	Pierre*	M.S.	Southern Connecticut State University
Nadine	Pierre-Louis*	M.S.	Saint Thomas University
David	Pierson*	M.A.	Webster University
Paul	Pillitteri*	Ph.D.	Ohio University
David	Piltz*	D.B.A.	Nova Southeastern University
Renee	Pinder	M.S.	Palm Beach Atlantic University
Kathy	Pine	M.B.A.	Baker University
Pamela	Pine*	Ph.D.	University of Maryland
Clifton	Pingrey	M.S.	American Military University
Octavius	Pinkard*	M.A.	Old Dominion University
Jerome	Pionk	D.B.A.	Northcentral University
Maryam	Pirnazar*	M.P.H.	California State University - Long Beach
Carol	Pitman*	M.A.	University of Phoenix
Michael	Pittaro	M.P.A.	Kutztown University of Pennsylvania
Robert	Pittman*	Ph.D.	University of Phoenix
Anthony	Plana*	M.A.	University of Hawaii
Wendy	Plehn*	M.S.W.	University of Wisconsin - Milwaukee
Elizabeth	Plowman*	M.A.	University of Minnesota
Anne	Poe*	M.Ed.	University of West Georgia
Laura	Pogue*	D.Mgt.	University of Phoenix
Ann	Pohira-Vieth*	Ph.D.	University of Southern Mississippi
Katarzyna	Polanska	Ph.D.	University of Minnesota
Michael	Polich*	M.A.	Northern Illinois University

Darlene	Pomponio*	Ph.D.	Walden University
Martin	Ponti*	M.A.	University of Miami
Jean	Popovich*	Ph.D.	Indiana University of Pennsylvania
Connie	Porter*	Ed.D.	University of Phoenix
Lisa Marie	Portugal*	M.A.	University of Phoenix
Timmothy	Posey*	M.B.A.	Capella University
Alexander	Poster*	Ph.D.	The Ohio State University
Paul	Potter	M.B.A.	Strayer University
Jessie	Powell	M.A.	University of Kentucky
Marie	Powell*	M.B.A.	University of Phoenix
James	Powell*	M.S.	College of Charleston
David	Premo	M.S.	Boston University
Audrey	Prestonsoto*	D.M.	University of Phoenix
Carrie	Prettiman*	Ph.D.	Princeton University
Tim	Price*	Ph.D.	University of South Florida
Jonas	Prida*	Ph.D.	Tulane University
Lisa	Prince*	M.A.	Western Connecticut State University
Curtis	Proffitt*	Ph.D.	Capella University
Kristen	Przyborski*	Ph.D.	University of South Florida
Thomas	Pucci*	Ph.D.	The University of New Mexico
Renwick	Pulwarty*	Ed.S.	Georgia Southern University
Shelley	Pumphrey	M.A.S.	Johns Hopkins University
Jade	Pumphrey*	Ph.D.	Capella University
Eric	Puryear*	M.S.	Old Dominion University
Erica	Quarles*	M.S.	Towson University
Robin	Rabiner*	M.A.	The University of Tennessee
Janel	Rabinowitz*	M.A.	University of Central Florida
Christopher	Racek*	Ph.D.	Capella University
John	Radzilowski*	Ph.D.	Arizona State University
Adam	Rafalovich*	Ph.D.	The University of British Columbia
Kimberly	Raines*	Ph.D.	Auburn University
Anna	Rainey*	M.A.	University of Phoenix
Shirley	Rainey*	Ph.D.	The University of Tennessee
Caryn	Rakov*	M.A.	University of Phoenix
Sunil	Ram*	M.A.	University of Guelph
Ananda	Ramanathan*	Ph.D.	Oklahoma State University

Murali	Ramaswamy*	M.S.	The University of Texas - Dallas
Steven	Ramold*	Ph.D.	University of Nebraska - Lincoln
Joel	Ramsey*	M.A.	Northern Illinois University
Beverly	Ramsey*	Ph.D.	The University of Tennessee
Erich	Randall*	Ph.D.	Capella University
Lawrence	Randolph*	M.S.	Longwood University
Sherri	Rankin*	M.S.	Kansas State University
Sheila	Rapa*	Ph.D.	Carlos Albizu University
Gary	Rawlings*	M.P.A.	University of Hartford
Andre	Rawls*	Ph.D.	Argosy University - Chicago
Larry	Ray*	M.A.	The University of Mississippi
Syed	Raza*	Ph.D.	Nova Southeastern University
James	Ready*	D.B.A.	Walden University
Tommy	Rector	M.S.	Jackson State University
Brenda	Rector*	M.S.	Jackson State University
Mim	Redcay*	M.B.A.	Johns Hopkins University
Robert	Redding*	Ph.D.	The University of Southern Mississippi
Lori	Redman*	M.A.	Aston University
Dale	Reece	M.S.	Western Carolina University
Kenneth	Reed	M.S.	National University
Kenneth	Reed*	Ed.D.	University of Northern Colorado
Melissa	Reed*	M.A.	East Carolina University
Rhonda	Reed*	M.S.	Bowie State University
Hoke	Reed*	M.S.	Regis University
Daniel	Reed*	Ph.D.	The University of Tennessee - Knoxville
Lawrence	Reeves*	M.B.A.	University of Phoenix
Tana	Regan*	M.F.A.	National University
Breinne	Regan*	M.S.	University of Pittsburgh
Heather	Reid*	Ed.D.	University of Phoenix
Raymond	Reinhardt	M.A.	Morgan State College
Joseph	Reish*	M.A.	Radford College
Kelly	Reiss	Ph.D.	University of Florida
Tiffany	Reiss*	Ph.D.	Virginia Tech
Jerome	Reitano*	M.S.	Embry-Riddle Aeronautical University
Lesley	Remington*	M.S.	University of North Texas
Todd	Remusat*	M.A.	American Military University

Cassandra	Renzi*	M.S.	University of South Carolina
Jennifer	Repp	M.Ed.	Arizona State University
Tara	Requa*	M.A.	Western Washington University
Caroline	Rerucha	Ph.D.	University of Dublin
Kaci	Resau*	M.A.	American Military University
Tara	Revell	Ph.D.	Arizona State University
Matthew	Rhea*	Ph.D.	Arizona State University
Karen	Rhines	Ph.D.	Rutgers, The State University of New Jersey
Linda	Rhoades-Swartz	M.A.	Norwich University
Wayne	Rhodes*	Ph.D.	Saybrook University
John	Rhome*	D.Mgt.	University of Phoenix
Rebecca	Riall*	Ph.D.	Indiana University - Bloomington
Sanaa	Riaz*	Ph.D.	University of Arkansas
Timothy	Rice*	D.S.M.	United States Sports Academy
Joseph	Rice*	M.Ed.	Loyola College
Richard	Rice*	Ph.D.	The University of Michigan
Rob	Rice*	Ph.D.	University of Pennsylvania
Brian	Rich*	M.S.	The George Washington University
Lisa	Richard*	J.D.	New York Law School
Caroline	Richards	M.S.	Indiana University - Bloomington
Danielle	Richardson*	M.A.T.L.	The University of Southern Mississippi
Natasha	Richardson*	M.S.	University of Phoenix
Edrica	Richardson*	Ph.D.	Nova Southeastern University
Kenda	Rigdon*	Ph.D.	The University of Alabama - Birmingham
Angela	Riggs*	M.P.H.	Boston University
Melissa	Rigney	Ph.D.	University of Nebraska - Lincoln
Michele	Rigsby	M.Ed.	University of Missouri - Columbia
Ronald	Riker*	M.B.A.	University of Phoenix
Grace	Riley	Psy.D.	Argosy University
Lindsey	Riley*	M.A.	University of Nevada - Las Vegas
Julie	Riley*	M.S.	Mount Saint Mary College
Rebecca	Rist-Brown*	M.S.	University of New Haven
Aida	Rivera*	Ph.D.	Hofstra University
Orlando	Rivero*	D.B.A.	Argosy University - Sarasota
Kelly	Roach*	M.M.C.	Arizona State University
Diane	Roberts	M.B.A.	Anna Maria College

Kimberly	Roberts*	M.B.A.	Strayer University
Leigh	Roberts*	M.S.	Saint Michael's College
Erick	Rochette*	Ph.D.	The Pennsylvania State University
Anissa	Rodriguez*	Ph.D.	The University of Texas - Austin
Amy	Rofail	M.H.	Tiffin University
Gary	Rogers*	Ph.D.	Walden University
Bina	Roginsky*	Ph.D.	University of Hartford
Christine	Rogowski*	M.S.	Robert Morris University
Tara	Rohr*	M.S.N.	University of Phoenix
Laura	Rolen*	Ph.D.	Virginia Tech
Jonah	Romanitch*	M.B.A.	Florida State University
Elizabeth	Romano*	M.S.	George Mason University
John	Romanski*	Ph.D.	Johns Hopkins University
Peter	Ronayne*	Ph.D.	University of Virginia
John	Roou	M.S.	University of Wisconsin - Green Bay
Shanna	Rose*	J.D.	Nova Southeastern University
Norman	Rose*	Ph.D.	North Texas State University
John	Rosen*	M.A.	San Francisco State University
Evan	Rosenberg*	J.D.	Florida State University
Donna	Rosh*	Ph.D.	University of Pittsburgh
Brandy	Ross	M.A.	SUNY at Stony Brook
Patricia	Ross*	Ed.D.	University of Phoenix
Raymond	Ross*	M.A.	American Military University
Scott	Ross*	M.A.	American Military University
Tara	Ross*	Ph.D.	Keiser University
Garrett	Rossero*	M.B.A.	Norwich University
Nancy	Rossiter*	D.B.A.	Argosy University
Christian	Rossman*	M.A.	American University
Jacques	Roussellier*	M.A.L.D.	Tufts University
Jonathon	Rowles*	M.S.	Embry-Riddle Aeronautical University
Melody	Rowlett*	Ph.D.	The University of Oklahoma
Jean	Rowley*	M.S.	California State University - Long Beach
Janet	Rozick*	Ph.D.	University of Toledo
Andrew	Rudd*	Ph.D.	The University of Idaho
Theodore	Rueter	Ph.D.	University of Wisconsin - Madison
Paulina	Ruf*	Ph.D.	Western Michigan University

Kimberly	Ruff*	M.S.	George Mason University
Shavonne	Ruffin*	M.Ed.	American InterContinental University
Linda	Ruhe Marsh*	Ed.D.	University of Phoenix
Nicole	Runyon*	Ph.D.	Walden University
Kimberly	Rush	M.A.	Louisiana State University and A & M College
Drucilla	Russell	M.A.	Western Carolina University
Eric	Russell*	Ed.D.	Grand Canyon University
Brian	Russell*	M.S.	University of Illinois at Urbana-Champaign
Frank	Russo	Ph.D.	Kent State University
Charles	Russo	Ph.D.	University of Central Florida
Margaret	Rutter Foltz*	M.S.	University of Phoenix
Steve	Ryan	M.A.	The City College of New York
Erik	Saar*	M.P.P.	George Mason University
Jarrold	Sadulski*	M.A.	American Military University
Monica	Sainz*	D.S.M.	United States Sports Academy
Edward	Sakiewicz	Ph.D.	Capella University
Brian	Salmans*	Ph.D.	University of North Texas
Liticia	Salter*	M.A.	Texas A & M University
Kimberly	Sampson*	M.B.A.	East Carolina University
Miguel	Sanchez	M.S.	West Virginia University
Naomi	Sanderovsky*	Ph.D.	California Institute of Integral Studies
Jennifer	Sanders	M.A.	University of Missouri - Kansas City
Rodolfo	Santamaria*	M.B.A.	American InterContinental University
Richard	Sarabia*	D.B.A.	Argosy University
William	Sas*	J.D.	The Catholic University of America
Kristin	Sawicki	A.L.M.	Converse College
Thomas	Sawicki*	Ph.D.	Old Dominion University
Lisa	Saye*	D.P.A.	The University of Alabama
Asila	Sayed*	Ph.D.	Colorado Technical University
Pamela	Scales*	D.B.A.	Phoenix University
Joseph	Scalzo*	Ph.D.	University of Rochester
Stephen	Schabel*	M.S.	College of Charleston
Tambria	Schaefer	M.A.	Wayne State University
Victoria	Schmidt	Ph.D.	California Coast University
Alana	Schneider*	M.S.Ed.	Elmira College
Gerard	Schnell*	M.A.	Providence College

Melissa	Schnyder	Ph.D.	Indiana University
James	Schoeck*	M.S.	Air Force Institute of Technology
Brenda	Schramm*	M.S.W.	Cincinnati University
Richard	Schultz*	Ph.D.	University of Cincinnati
Charles	Schulz*	M.S.	Johns Hopkins University
Elke	Schwartz*	M.A.	East Carolina University
Jeremy	Schwehm*	Ph.D.	The University of Georgia
Christina	Schweiss*	M.I.A.	Columbia University
Carol	Scott	M.A.	Bowie State University
Miranda	Scott	M.A.	Georgia Southern University
Christina	Scott*	M.A.	Western Washington University
Robert	Scott*	M.S.	Texas A & M University
Melissa	Scranton*	M.Ed.	Missouri State University
Glaucio	Scremin*	Ed.D.	United States Sports Academy
Bryan	Scyphers*	M.Ed.	The University of North Carolina
Robert	Seal*	Ph.D.	The University of Michigan
Yolonda	Seals-Weathers*	M.A.	Our Lady of Holy Cross College
Jay	Searles*	M.S.	The South Dakota School of Mines and Technology
Elizabeth	Sears*	M.A.	The University of Texas - Austin
Earnell	Seay*	D.B.A.	Argosy University
Melissa	Sedita*	M.A.	The University of Texas - El Paso
Nicholas	Sedita*	M.A.	University of Texas at El Paso
Elaine	Sedore*	Ph.D.	Adler School of Professional Psychology
Linda	Seeger*	M.S.M.	Iowa State University
Lisa	Sehannie*	M.S.	Kennesaw State University
Cecilia	Selbrede*	J.D.	Rutgers, The State University of New Jersey
Robert	Sellani*	D.B.A.	Nova Southeastern University
Shawn	Sessa*	M.S.	West Virginia University
Trevor	Setvin*	M.S.	Illinois State University
Maureen	Sevigny*	Ph.D.	University of Maryland
Lawrence	Sexton*	M.A.	Michigan State University
Javad	Seyed*	Ph.D.	North Carolina State University
Donald	Shaffer*	Ph.D.	University of Maryland
Fereidoon	Shahrokh	Ph.D.	West Virginia University
Iman	Shahrokh*	M.B.A.	University of Wollongong in Dubai
Katayoon	Shahrokh*	M.D.	University of Maryland, Baltimore County

Soosan	Shahrokh*	Ph.D.	West Virginia University
Ibrahim	Shakoor*	M.A.	The University of Chicago
Rohin	Sharma*	M.A.	Georgetown University
Danielle	Sharon*	M.A.	Barry University
Gholam	Shaykhian*	Ph.D.	Florida Institute of Technology
Debra	Sheffer*	Ph.D.	University of Kansas
Hazar	Shehadeh*	Ph.D.	Northcentral University
Holly	Shenefelt	M.A.	Regis University
Mishelle	Shepard*	M.A.	Arizona State University
Gary	Shepard*	M.S.	Mountain State University
Robert	Sherard*	M.S.	Montana State University
Michael	Sherfy*	Ph.D.	University of Illinois at Urbana - Champaign
Deborah	Sherman*	Ed.D.	University of Mississippi
Joel	Shields	M.A.	Southern Illinois University - Carbondale
Mohsen	Shirani*	Ed.S.	Tennessee State University
Jeffrey	Shirkey*	Ph.D.	The University of Chicago
Matthew	Shockey*	M.A.	Millersville University
Eric	Shoemaker*	M.S.	Virginia Commonwealth University
Barry	Shollenberger	Ed.D.	The University of Alabama
Laura	Short*	M.A.	Webster University
Bethanne	Shriner*	Ph.D.	Florida State University
Kathleen	Shriver	D.B.A.	Northcentral University
Christian	Shuler*	J.D.	Georgetown University
Angela	Shumaker*	M.P.H.	Loma Linda University
Clifton	Shuman*	M.S.	Trident University International
Jerome	Sibayan*	Ph.D.	Kansas State University
Rebecca	Siceloff*	D.B.A.	The National Graduate School of Quality Management
Elizabeth	Siewert*	M.S.	University of Wisconsin - Madison
Linda	Silva	M.A.	American Public University
Cathy	Silverman	M.F.A.	California Institute of the Arts
Brett	Simmermacher*	D.S.M.	United States Sports Academy
Rodney	Simmons*	M.S.	Troy University
James	Simmons*	Ph.D.	The University of Texas - Arlington
Thomas	Simon*	Ph.D.	University of Illinois at Chicago
Diamond	Simpson Prothro*	J.D.	Wayne State University
Julie	Simpson*	J.D.	DePaul University

Tara	Simpson*	M.A.	Norwich University
Dean	Sinclair*	Ph.D.	Louisiana State University and A & M College
Don	Sine	Ph.D.	University of Maryland - College Park
Jason	Siniscalchi*	Ph.D.	West Virginia University
Donald	Sipp*	M.B.A.	University of Phoenix
Alec	Sithole*	Ph.D.	Portland State University
Anna	Sitzman*	M.A.	University of Northern Iowa
Stephanie	Skwiers*	M.S.	Western Michigan University
Stephen	Sledge*	Ph.D.	George Mason University
Amy	Sloan*	M.A.	The University of Tennessee - Knoxville
George	Slone*	M.A.	Middlebury College
Jonathan	Small*	D.B.A.	Argosy University
Stephen	Small*	Ph.D.	The Union Institute
Robert	Smith	J.D.	West Virginia University
Curtis Brandt	Smith	Ph.D.	Capella University
Mittie	Smith*	Ed.D.	Northcentral University
Daniel	Smith*	J.D.	Georgetown University
Jamie	Smith*	J.D.	The George Washington University
Emily	Smith*	J.D.	The University of Alabama
Gary	Smith*	M.A.	Texas Tech University
Schantia	Smith*	M.B.A.	Keller Graduate School of Management
Jane	Smith*	M.Div.	University of Notre Dame
Jeremy	Smith*	Ph.D.	Capella University
Jason	Smith*	Ph.D.	Texas A & M University
Jacqueline	Smith*	Ph.D.	University of Maryland - College Park
Scott	Smith*	Ph.D.	University of Missouri - Columbia
Christopher	Smith*	Ph.D.	University of Virginia
Gregg	Smith*	Ph.D.	University of Washington
Jennifer	Smolka*	Ph.D.	University of North Texas
Natalya	Snow	J.D.	The University of Alabama
Kenneth	Snow	M.B.A.	Florida Institute of Technology
Kyle	Snyder*	M.P.S.	The Pennsylvania State University
Albert	Socci*	D.B.A.	Nova Southeastern University
James	Sofka*	Ph.D.	University of Virginia
Matthew	Sokol*	M.S.	University of Nevada - Las Vegas
Carlos	Soltero	M.S.	Troy University

Julie	Song*	Ph.D.	University of California - Irvine
LaKeisha	Souter*	M.S.	Regis University
Nancy	Spahr*	M.B.A.	Bentley University
Janice	Spangenburg*	Ph.D.	Regent University
Delena	Spann*	M.S.	Florida International University
Joseph	Spedalieri*	Ph.D.	Indiana University of Pennsylvania
William	Speer*	M.A.	American Military University
Jan	Spencer	Ph.D.	Regent University
Jared	Spencer*	M.S.	Robert Morris University
Sara	Spivey*	M.C.J.	American Military University
Christina	Spoons*	Ph.D.	Walden University
Mark	Spreizer*	M.S.	California University of Pennsylvania
Dawn	Spring	Ph.D.	University of Cincinnati
Teresa	Springer*	M. Ed.	The Pennsylvania State University
Kennard	Sproul*	M.D.	Southern Illinois University - Carbondale
Erica	St Germain	Psy.D.	Widener University
Jennifer	Stacey*	Ph.D.	The University of Alabama
Adrienne	Stafford*	M.P.A.	University of Utah
Adrienne	Stafford*	Ph.D.	The New School
Rebecca	Stahl*	M.D.	University of Wisconsin - Madison
Jennifer	Staley*	M.A.	Marymount University
Janet	Stallard*	M.A.	Appalachian State University
Jody	Stallings*	M.A.	College of Charleston
Sean	Stanley*	D.B.A.	Walden University
Joshua	Stanley*	Ed.D.	Argosy University
Marisea	Stanley*	M.A.	University of San Diego
Jerry	Stanphill*	M.P.A.	City University
Louise	Stanton*	Ph.D.	Rutgers, The State University of New Jersey
James	Starcher*	J.D.	Thomas M. Cooley Law School
Neil	Starr*	Ed.D.	Nova Southeastern University
Janet	Stebbins*	M.A.	Wayne State University
Christina	Steele*	D.C.S.	Colorado Technical University - Colorado Springs
John	Steele*	J.D.	Cleveland State University
Elizabeth	Steere*	Ph.D.	The University of Georgia
Gabriela	Stelcikova	M.A.	Norwich University
Glenn	Stephens*	Ph.D.	University of California - Los Angeles

Brenda	Stewart*	J.D.	Fordham University School of Law
Douglas	Stewart*	M.A.	Texas State University
Deidre	Stewart*	M.S.	Howard University
Jonathan	Stewart*	M.S.	Mountain State University
Thane	Stielow*	M.S.	University of Maryland
Martha	Stillman	Ph.D.	Graduate Theological Union
Donald	Stimely*	M.A.	Webster University
Michael	Stine*	Ph.D.	Michigan State University
Nikkole	Stites*	M.B.A.	Keller Graduate School of Management
Ledrew	Stocks*	Ph.D.	Kent State University
Kathy	Stolley*	Ph.D.	The George Washington University
Blake	Stone*	J.D.	Northern Illinois University
Ian	Storey*	M.A.	Central Michigan University
Matthew	Stork	M.S.	Embry-Riddle Aeronautical University
Diane	Stottlemeyer*	Ph.D.	Northcentral University
Donna	Strahan*	M.S.	University of North Carolina
Dawn	Strauss Berta*	D.C.	Palmer College of Chiropractic
Lon	Strauss*	Ph.D.	The University of Kansas
Amy	Stringer*	Ph.D.	The University of North Carolina
Gordon	Strong*	Ed.D.	United States Sports Academy
Gary	Stroud*	Ph.D.	Capella University
Thomas	Stuart*	A.E.E.	Naval Post Graduate School
Christine	Stuart*	M.S.	Walden University
Jennifer	Sturge*	M.Ed.	Mansfield University
Georgios	Stylianides*	Ph.D.	University of Toledo
Minzi	Su*	Ph.D.	Portland State University
Beth	Subero*	M.A.	University of Utah
Marlon	Sukal*	Ph.D.	Alliant International University
Michael	Sullivan*	M.A.	American Public University
Traci	Sumner	M.A.	California State University - Stanislaus
Tamrala	Swafford*	Ph.D.	Arizona State University
Chalmer	Swanson*	M.B.A.	University of Phoenix
Erick	Swartz*	Ph.D.	Boston College
Diana	Swezy*	Ed.D.	University of Kansas
Stacy	Swinton*	J.D.	Howard University
Karen	Sykes	M.Ed.	University of Nebraska

David	Syndergaard	M.S.	New Mexico State University
Sarah	Syrjanen*	M.A.	Kent State University
Jennifer	Szemborski*	M.A.	Shepherd University
Brian	Szumsky*	M.A.	DePaul University
Bruce	Taggart*	Ph.D.	University of Puerto Rico
Terri	Tallon*	Ph.D.	Walden University
Shenita	Talton*	M.S.	Bowling Green State University
Carlo	Tannoury*	M.S.	Bellevue University
Christopher	Tatarka*	Ph.D.	Northcentral University
Corinne	Tatum	M.A.	National University
Martin	Tawil*	Ph.D.	Northcentral University
Kevin	Taylor	M.A.	Naval Postgraduate School
Ashley	Taylor	M.B.A.	University of Phoenix
Lillian	Taylor*	M.F.A.	National University
Malcolm	Taylor*	Ph.D.	Arizona State University
Felicia	Taylor*	Ph.D.	University of Florida
Nancy	Taylor*	Ph.D.	Washington University in St. Louis
Katrena	Taylor-Springs*	M.S.	Capella University
Kara	Teague*	M.S.	University of South Florida
Danielle	Templeton*	Ph.D.	University of Minnesota
Michael	Terry*	M.A.	University of North Dakota
Pamela	Terry*	Ph.D.	Southern Illinois University - Carbondale
John	Terzynski	M.S.E.	University of Wisconsin - Oshkosh
Evelyn	Terzynski*	M.S.Ed.	University of Wisconsin - Oshkosh
Elaine	Testerman*	M.A.	Appalachian State University
Debra	Tetting*	Ph.D.	Capella University
John	Theodore	Ph.D.	University of Kansas
Jeremy	Thiel*	M.S.	Central Michigan University
Charles	Thies*	M.S.	University of Denver
Kenyetta	Thigpen*	Ph.D.	Capella University
Kris	Thoemke*	Ph.D.	University of South Florida
Derrick	Thomas*	J.D.	Stetson Law
Patricia	Thomas*	M.P.A.	Long Island University
Reshowrn	Thomas*	Ph.D.	Capella University
Michael	Thomas*	Ph.D.	The University of Texas - San Antonio
Glenn	Thomas*	Ph.D.	University of South Carolina

Carmen	Thomas-Browne*	Ph.D.	Robert Morris University
Jean-Claude	Thomassian*	Ph.D.	The University of Toledo
Julie	Thompson	Ph.D.	University of Oregon
Jennifer	Thompson*	M.A.	American Military University
Jason	Thompson*	M.A.	Iowa State University
Kathryn	Thompson*	M.S.	The University of Southern Mississippi
Benjamin	Thompson*	Ph.D.	Walden University
Michael	Thornal	M.B.A.	Fairleigh Dickinson University
Robert	Thornett*	M.S.	George Mason University
Heather	Thornton	Ph.D.	Louisiana State University and A & M College
Terrence	Threadwell*	D.Min.	Pentecostal Theological Seminary
Channa	Threat*	M.S.	George Mason University
Anne	Thurmer*	M.A.	Winona State University
Alan	Tillquist*	D.B.A.	Nova Southeastern University
Lynda	Tinker*	M.A.	Georgia Southern University
Valorie	Titus*	Ph.D.	Binghamton University
Valerie	Tober*	Ed.S.	Liberty University
Curtis	Todd*	Ed.D.	Argosy University
Yana	Todorova*	Ph.D.	Texas Tech University
Frederic	Torimiro*	Ph.D.	University of Missouri - Columbia
Paul	Toro*	M.A.	Vermont College of Norwich University
Robert	Tovar*	M.A.	University of Chicago
Michelle	Towne*	M.S.	University of Phoenix
Frank	Trapp*	Ph.D.	Florida State University
Letitia	Trent*	M.F.A.	The Ohio State University
Melissa	Trevathan*	Ph.D.	University of Houston
Jeanne	Trimble*	Ph.D.	Cornell University
Mitchell	Tropin*	M.A.	John Hopkins University
Ashley	Trunko*	M.A.	Kent State University
Rosella	Tucker*	M.S.	University of Edinburgh
Saran	Tucker*	Ph.D.	University of California - Irvine
Elvis	Tull*	M.B.A.	William Carey University
Jordan	Turek*	M.S.	Capitol College
John	Turner*	Ed.S.	Northcentral University
James	Turner*	M.A.	Mississippi State University
Corey	Tutor	M.Div.	Southeastern Baptist Theological Seminary

Jennifer	Tutor*	M.A.	Southeastern Baptist Theological Seminary
Monique	Tuyisenge-Onyegbula*	M.I.A.	Columbia University in The City of New York
Stephen	Twing*	Ph.D.	University of South Carolina
Jonathan	Tyler*	M.S.	Brigham Young University
Melinda	Tyler*	M.S.	The Pennsylvania State University
Jennifer	Tyrrell*	M.S.	College of Charleston
Nicholas	Tzakis*	M.Ed.	National University
Chizoba	Udeorji*	Ph.D.	Howard University
Daniel	Udo-Akang*	M.S.	Bellevue University
Daniel	Udo-Akang*	Ph.D.	Northcentral University
Patricia	Ukaigwe*	Ph.D.	Fairleigh Dickinson University
Randon	Ullrich*	M.A.	Webster University
Stephen	Ulrich*	M.F.A.	National University
Augustine	Umezurike*	Ph.D.	Capella University
Anthony	Underhill*	M.B.A.	American Military University
Cindy	Underhill*	M.S.L.S.	The Catholic University of America
Aubrey	Underwood*	Ph.D.	Georgia State University
Mario	Vaccari*	Ph.D.	Phoenix University
Jamiel	Vadell*	Ph.D.	Capella University
Heather	Valdes*	J.D.	St. Thomas University School of Law
Adam	Valencic	M.A.	Washington University in St. Louis
Joseph	Van Gaalen*	Ph.D.	University of South Florida
Vincent	Van Ness*	M.S.	University of Central Florida
Geoffrey	Vanderpal*	D.B.A.	Nova Southeastern University
Valerie	Vann*	D.B.A.	Argosy University
Riccardo	Vargas*	M.P.A.	Golden Gate University
Irvin	Varkonyi*	M.B.A.	Thunderbird, The Garvin School of International Management
Theodore	Vassiliadis*	M.S.	University of Illinois at Chicago
Brandon	Vaughn*	Ph.D.	Florida State University
Kathleen	Veaudry*	M.S.N.	Capella University
Karen	Vellekamp*	M.S.	University of New Hampshire
Vijay	Venkatesh*	Ph.D.	Capella University
Charles	Venuto*	M.S.	Rensselaer Polytechnic Institute
Anne	Venzon	Ph.D.	Princeton University
Christopher	Verch*	M.A.	Bellevue University
Rhonda	Verdegan*	Ph.D.	Capella University

Marcus	Verhaegh*	Ph.D.	Emory University
Chapla	Verma	Ph.D.	Magadh University - India
Mary	Vermillion*	Ph.D.	Texas A & M University
Fianna	Verret*	M.A.	Norwich University
Stephen	Verrill*	Ph.D.	South Florida University
Pamela	Vestal*	M.S.	National Defense Intelligence College
Josef	Vice*	M.A.	Jacksonville State University
Shirley	Vigil	Ph.D.	The University of Alabama - Huntsville
Robert	Vilardi*	M.Ed.	Auburn University at Montgomery
Marlene	Villeneuve-Lindemann*	J.D.	St. John's University - New York
Margaret	Vivoda*	Ph.D.	University of Phoenix
Joseph	Vollenberg*	M.A.	Norwich University
Shannon	Voyles	Ed.D.	Northcentral University
Keith	Wade	Ph.D.	Michigan State University
Joseph	Wade*	J.D.	Widener College
Jeannette	Wade*	M.A.	The University of Akron
Donna	Wade*	M.B.A.	Northwest Nazarene University
Lori	Wagner*	M.S.N.	St. Francis Medical Center College of Nursing
Ray	Walker*	M.A.	Chapman University
Joseph	Walker*	Ph.D.	Purdue University
Thomas	Walker*	Ph.D.	University of New Mexico
Donna	Wall	M.S.	University of Texas at Tyler
Diallo	Wallace*	M.S.	Naval Postgraduate School
Sarah	Wallace*	M.S.	Walden University
Ronnie	Wallace*	Ph.D.	Capella University
Lisa	Wallace*	Ph.D.	Loyola University - Chicago
Jason	Wallin*	M.C.J.	Boston University
Barry	Walls	M.B.A.	Strayer University
Katrina	Walls*	M.A.	The University of Toledo
Stephanie	Walsh*	M.Ed.	Harvard University
Cassandra	Walston*	M.A.	North Carolina Central University
Jingfang	Wang	Ph.D.	George Mason University
Yongge	Wang*	M.S.	Nankai University
Shun-Yung	Wang*	Ph.D.	Florida State University
Samantha	Ward*	J.D.	University of Missouri - Columbia
Thomas	Ward*	Ph.D.	The University of Southern Mississippi

Brian	Warnecke*	M.A.	Western Governors University
William	Wasmundt	M.A.	University of Illinois at Springfield
Darren	Waters*	J.D.	Northwestern School of Law
Robert	Watkins*	Ph.D.	University of Cincinnati
Patricia	Watson*	M.B.A.	Kennesaw State University
Philip	Watts	M.A.G.	New Mexico State University
Valerie	Watts*	M.A.	The University of Georgia
Leslie	Weatherly	M.A.	Marymount University
Marlene	Weaver	M.B.A.	Marymount University
Kelly	Weaver*	M.S.	The University of Tennessee
Brent	Webber	M.B.A.	The College of Insurance
Brian	Weber	M.A.	Norwich University
James	Weber*	M.S.	University of Central Florida
Jesse	Webster*	M.A.	American Military University
Heidi	Weiman*	M.A.	Northeastern Illinois University
Batya	Weinbaum*	Ph.D.	University of Massachusetts
David	Weischadle*	Ed.D.	Rutgers, The State University of New Jersey
George	Weisgerber*	M.B.A.	American InterContinental University
Dena	Weiss	M.S.	Virginia Commonwealth University
Margo	Weiss*	Ph.D.	Nova Southeastern University
Robert	Weisskirch*	Ph.D.	University of California - Davis
Ivan	Welch	Ph.D.	University of Kansas
John	Welch*	M.A.	American Military University
Michael	Wells*	D.Min.	Emory University
Michael	Wells*	M.Div.	Emory University
Adrian	Welsh*	M.S.	Utah State University
Jeffrey	Wendt*	M.B.A.	University of Dallas
Marc	Wenner*	M.A.	Old Dominion University
James	Wenzel*	M.S.	University of Wyoming
Christopher	Weppler*	M.S.	University of Maryland University College
James	Werbaneth	M.A.	Duquesne University
Kelly	Werder*	J.D.	Suffolk University Law School
Thomas	Werner*	M.A.	Webster University
Mark	Wessner*	Ph.D.	University of Pretoria
Gregory	West*	M.E.S.	Loyola University - Maryland
Benjamin	West*	Ph.D.	Indiana University of Pennsylvania

Donald	West*	Ph.D.	North Carolina State University
Christine	Weston*	M.S.	University of Phoenix
Valencia	Westray-Miller*	Ph.D.	Capella University
Elizabeth	Wharton	M.A.	Holy Names University
Phyllis	Whealon*	M.B.A.	California State Polytechnic University
Chad	Wheaton*	Ph.D.	Syracuse University
Thomas	Wheeler*	M.A.	Eastern New Mexico University
Amy	Wheeler*	M.S.	Eastern Kentucky University
Brannon	Wheeler*	Ph.D.	The University of Chicago
Deborah	Wheeler*	Ph.D.	The University of Chicago
Stephen	Whitaker*	M.A.	University of Cincinnati
Catherine	White*	M.B.A.	University of Phoenix
Ivory	White*	M.B.A.	Webster University
David	Whitehouse	M.M.	Northwestern University
William	Whitley	D.Ed.	The University of Alabama
Jennifer	Whitley*	M.B.A.	DeVry University
Valjean	Whitlow	Ph.D.	Southern Illinois University - Carbondale
Albert	Whittenberg*	Ph.D.	Middle Tennessee State University
Molly	Whitworth*	Ph.D.	Johns Hopkins University - Bloomberg School of Public Health
Francis	Wiafe-Amoako*	Ph.D.	Howard University
April	Wick	M.Ed.	Marymount University
Todd	Wiggen*	M.S.	National Defense Intelligence College
Joan	Wilder*	M.S.	Rosemont College
Helen	Wilkins*	M.A.	West Virginia University
Mandie	Willey*	M.A.	Central Michigan University
Robyn	Williams*	Ed.D.	Argosy University
Angela	Williams*	J.D.	The George Washington University
Jennifer	Williams*	M.A.	Bowling Green State University
Jennifer	Williams*	M.A.	University of Kentucky
Paulette	Williams*	M.B.A.	American InterContinental University
Donald	Williams*	M.B.A.	Webster University
Rita	Williams*	M.S.	Troy University
Teresa	Williams*	Ph.D.	Argosy University
Charlie	Williams*	Ph.D.	Capella University
Julia	Williams*	Ph.D.	Capella University
Stacie	Williams*	Ph.D.	Florida State University

Andre	Williams*	Ph.D.	Walden University
Karen	Williams-Jones*	M.A.	Purdue University
Kristin	Williams-Washington*	Ph.D.	Argosy University
Michael	Willis	Ph.D.	Walden University
Erica	Willis*	M.B.A.	Troy University
Craig	Wilsman*	M.S.	Western Illinois University
Christopher	Wilson*	M.S.	Oklahoma State University
Robert	Wilson*	Ph.D.	Purdue University
Glen	Winters*	J.D.	The University of Oklahoma
Gary	Withers*	M.B.A.	University of Oregon
Anton	Wohlers*	Ph.D.	Northern Illinois University
Pamela	Wojnar	Ed.D.	United States Sports Academy
Bernard	Wolf*	M.A.	American Public University System
Nyla	Wolfgang	M.A.	University of Rochester
Robert	Wolverton	Ph.D.	University of New Mexico
Chika	Wonah*	D.M.	University of Phoenix
Frank	Wood*	D.B.A.	Nova Southeastern University
Jennifer	Wood*	J.D.	Northeastern University
Kathy	Wood*	Ph.D.	Capella University
Tracey	Woodlief*	Ph.D.	East Carolina University
Keith	Woodman*	Ph.D.	Old Dominion University
Brett	Woods	Ph.D.	University of Essex
Larry	Woods*	Ph.D.	Capella University
David	Woodworth*	J.D.	The George Washington University
Steven	Woodworth*	Ph.D.	Rice University
Tammy	Woody*	Ed.D.	West Virginia University
Joshua	Work*	M.A.	American Military University
Rick	Woten*	Ph.D.	Iowa State University
Pamela	Wright*	M.Ed.	Alabama State University
Phillip	Wright*	M.M.A.S.	U. S. Army Command and General Staff College
Dale	Wright*	M.S.	Air Force Institute of Technology
Michelle	Wright*	Ph.D.	DePaul University
Xiaodong	Wu	Ph.D.	Princeton University
Kandis	Wyatt*	D.P.A.	Nova Southeastern University
Kathryn	Wyatt*	M.A.	Northern Arizona University
Paula	Wylie	Ph.D.	University College Cork, National University of Ireland

Steven	Wyre*	Ed.D.	University of Phoenix
Aydogan	Yanilmaz*	M.A.	Hacettepe University
Roy	Yarbrough*	Ed.D.	The University of North Carolina at Greensboro
Nabeel	Yaseen*	Ph.D.	Indiana University of Pennsylvania
Andre	Yefremian*	M.A.	California State University
Mark	Yeisley*	Ph.D.	Duke University
John	Yelvington*	D.B.A.	Nova Southeastern University
Rosalie	Yezbick	M.A.	University of Illinois at Springfield
Daniel	Yezbick*	Ph.D.	University of Illinois at Urbana
Terence	Yi*	Ph.D.	Northcentral University
Eric	Yocam*	D.B.A.	University of Phoenix
Heather	York*	M.A.	The University of Oklahoma
Robert	Young	Ph.D.	CUNY - The Graduate School and University Center
Danette	Young*	Ed.D.	Nova Southeastern University
Michelle	Young*	J.D.	Brigham Young University
Nicholas	Young*	M.A.	Indiana University - Purdue University
David	Young*	M.B.A.	The College of William & Mary
Yolander	Youngblood*	Ph.D.	University of Florida
Eric	Zacharias*	M.Div.	Concordia Seminary
Caroline	Zapor*	M.A.	Simon Fraser University
Carol	Zavarella*	Ph.D.	University of South Florida
Emma	Zeigler-Prather*	Ed.D.	Nova Southeastern University
Carly	Zeller*	M.F.A.	Pacific University Oregon
Deborah	Zeringue*	M.A.	The University of North Carolina at Greensboro
Christie	Zgourides*	M.A.	Portland State University
Maryann	Zihala*	M.A.	The Catholic University of America
Ronald	Zimmerman*	M.S.	California State University - East Bay
David	Zipin*	J.D.	Rutgers, The State University of New Jersey
Melinda	Zupon	M.A.	American Military University

* = Part Time

Course Materials

The APUS undergraduate course materials grant provides textbooks and other course reading material for all undergraduate students seeking academic credit. This grant is awarded upon admission with the expectation that students will successfully complete their course(s) each semester. Course materials are ordered from our vendor (ED MAP) after tuition payment (TA, FSA, check) has been received. Course materials are shipped within the timeframes listed in the Student Handbook. Military TA students serving overseas who have successfully completed previous courses with APUS will have their course materials ordered at the time of course registration, not at time of payment, to ensure that their materials can be released within the 35-day timeframe listed in the Student Handbook.

APUS provides course materials in a variety of formats. Most courses use electronic textbooks (eBooks) which are available from ED MAP, the APUS Online Library, the electronic classroom, websites, or elsewhere as identified by the course instructor.

Please note that course materials are not provided for students who are auditing courses. Audit students may obtain course materials through the bookstore of their choice.

If a student withdraws from a course, they should re-register for the course within six months or they may incur the cost of the course materials.

Students are encouraged to read the [Course Materials section in the Student Handbook](#) for additional course materials policy information.

Students should contact books@apus.edu for questions or for additional assistance concerning their course materials.

Online Library

Resources for Student Success

The AMU/APU Online Library provides an award-winning reflection of a new era in information services, as well as friendly human faces for University's students and faculty members. The best of tradition now combines with the newest forms of education on the Information Highway.

Available to students and faculty 24/7, the Library contains millions of pages of books and scholarly articles licensed from the Deep Web. These are joined by our expert-selected "trusted" selections from the free, or Open Web, as well as an array of specialized research tools and tutorial assistance. Moreover, the site is designed for the cutting-edge of Information Literacy--a budding range of skills required for scholarly success and advanced employ of the Web. Such assets are built by arguably the finest group of subject- and Web-specialist librarians in Online Education.

Research Resources

- **Article/Scholarly Journal Databases:** The strength of the Library is an accumulation of multi-year runs of approximately 58,000 scholarly journals. Such specialized literature sits at the heart of university research, and its use is a vital part of your learning curve as a college student/scholar.
- **Books:** The Library has assembled a growing collection of primarily electronic books. Currently numbering just under 190,000, these holdings are focused on the University's educational programs. They include a small collection of land-based holdings with concentration on the School's specializations in Intelligence, Military History, and Military Studies.
- **Departmental Study Portals/Course Guides:** Librarians work with faculty to create innovative Study Portals. These are designed to help launch scholarly and advanced research in our Deep Web holdings and the Open Web. Moreover, the Portals open to hundreds of electronic pathfinders that are tailored to specific courses.
- **InterLibrary Loan (ILL):** If unable to find needed research materials, Librarians will hunt and request those.

TEXTBOOKS/COURSE MATERIALS: The Online Library works in tandem with Bookstore operations in what is a nationally leading model for Course Materials and an evolving switch to fully electronic classes. This transition is in keeping with other online universities, but carefully orchestrated over several years and with allowances for overseas military students and those with bandwidth problems. It reflects APUS commitment and struggle to continue to maintain low tuition costs and grant free course materials for its undergraduates--even in the face of extreme textbooks inflation.

TUTORIAL CENTER/STUDY HELP: Students are also provided a portal to an array of self-help tools, career center, and tutorials--including access to individual tutors. The Tutorial Center provides Style Manual pages along with examples of syllabuses, other student papers and masters' theses--as well as links to the campus radio station, Web 2.0, and other advanced applications.

Learning Outcomes and Assessment

The American Public University System (APUS) has adopted the Lumina Foundation's Degree Qualifications Profile (DQP) framework across its associate, bachelors, and master's degree programs. The DQP framework illustrates students' expected knowledge and skill set upon earning a degree. Based on more than a decade of research across all levels of higher education, the framework defines expected learning outcomes that all graduates need regardless of academic specialization.

The DQP framework is aligned with APUS's mission of providing a quality higher education while preparing students for service and leadership in a diverse, global society. To ensure that AMU and APU students are prepared for success, student learning outcomes are defined at three levels: institutional (outlined in this catalog); degree program (identified in the degree program descriptions on the AMU/APU websites); and course (identified in the syllabi for each course) levels.

Institutional Student Learning Outcomes

AMU and APU students are expected to demonstrate proficiency in the following learning areas upon completion of any academic program in any discipline:

- Applied learning is used by students to demonstrate what they can do with what they know.
- Intellectual skills are used by students to think critically and analytically about what they learn, broadening their individual perspectives and experiences.
- Specialized knowledge is the knowledge students demonstrate about their individual fields of study.
- Broad knowledge transcends the typical boundaries of students in the first two years of higher education and encompasses all learning in broad areas through multiple degree levels.
- Civic learning is that which enables students to respond to social, environmental and economic challenges at local, national and global levels.
- Digital Information Literacy is concerned with responsibly, safely, ethically, effectively and efficiently accessing, evaluating, collaborating, organizing, and distributing information in the digital world. It includes using tools, technologies, techniques, and best practices, to develop responsible and safe consumers and communicators of information in the digital information world to support research and to solve real world problems.

Program Level Student Learning Outcomes

AMU and APU students are expected to achieve student learning outcomes at the **degree program level** upon graduation from a particular degree program. Student learning at the degree program level is assessed through end-of-program capstone experiences to ensure the student has achieved proficiency of the knowledge and skills expected of a professional in the respective discipline. Signature assessments, standardized tests, and rubrics are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the degree program level.

Course Level Student Learning Outcomes

AMU and APU students are expected to achieve **course level** student learning outcomes upon completion of a course. Course developed exams, simulations, case studies, discussion boards, collaborative research projects, and writing assignments are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the course level.

Assessment of Student Learning Outcomes

APUS is committed to student learning assessment and its impact on the quality of teaching and learning. The learning outcomes assessment program at APUS:

- Provides students with useful information about their current skills, knowledge, and competencies.
- Enables the university to evaluate the effectiveness of its academic courses and programs in terms of achieving the desired learning outcomes for its students.
- Is used for continuous improvement at all levels of the institution.

- Ensures that students are prepared for success in work and citizenship in a diverse, global society.

APUS uses a variety of direct and indirect assessment measures to evaluate student learning and improve the quality of teaching and learning at the undergraduate and graduate levels. The assessment of student learning at APUS is guided by the student learning outcomes posted in the catalog, AMU/APU websites, and courses. Student learning outcomes assessment is conducted at the institutional, degree program, and course level, whereby each level is aligned and designed to complement each other; providing a comprehensive view of student learning and the effectiveness of academic programs.

Students are required to participate in learning outcomes assessment activities at APUS and will be given adequate notice of any course and/or non-course related assessment activities they are responsible for completing. APUS is committed to protecting the privacy of its students including ensuring the confidentiality of student work submitted for assessment as well as the feedback resulting from assessment activities. For more information, the APUS [Learning Outcomes Assessment website](#) establishes the framework for the conduct of student assessment across the institution.

Student Learning/Competency Areas

- **Broad knowledge** of disciplines and fields outside the major
- **Specialized knowledge** in a major
- **Applied learning** – using what is learned in the real world
- **Intellectual skills** – thinking critically
- **Civic learning** – using studies to influence the world
- **Digital information literacy** in the internet age

Associate level, the student:

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Knowledge acquired in a specialized field of study	Knowledge acquired in general education fields	Identifies, categorizes and distinguishes among ideas, concepts, theories and practical approaches to problems. (Analytic inquiry)	Describes in writing a case in which knowledge and skills acquired in academic settings are applied to a challenge in a non-academic setting; evaluates the learning gained; and analyzes a significant concept or method related to the course of study in light of learning from outside the classroom.	Describes his or her own civic and cultural background, including origins, development, assumptions and predispositions.	Summarize security, privacy, ethical, and legal issues related to the digital world
Describes the scope and principal features of the field of study, citing core theories and practices, and offers a similar explication of a related field.	Describes how existing knowledge or practice is advanced, tested and revised.	Identifies, categorizes and appropriately cites information for an academic project, paper or performance. (Use of information resources)	Locates, gathers and organizes evidence on an assigned research topic addressing a course-related question or a question of practice in a work or community setting; offers and examines competing hypotheses in answering the question.	Describes historical and contemporary positions on democratic values and practices, and presents his or her position on a related problem.	Describe the principles related to responsibly locating, retrieving, and using information in the digital world
Illustrates the field's current terminology.	Describes and examines perspectives on key debates within the field and in	Describes how cultural perspectives could affect interpretation of problems in the		Takes an active role in the community (work, service, co-curricular activities) and	Use technology to enhance communication, community, and collaboration

	society.	arts, politics or global relations. (Engaging diverse perspectives)	examines civic issues encountered and insights gained.
Generates substantially error-free products exhibits, or performances in the field.	Illustrates core concepts of the field while executing analytical, practical or creative tasks.	Presents accurate calculations and symbolic operations and explains their use either in the field of study or in interpreting social or economic trends. (Quantitative fluency)	Use technology to categorize, organize, and critique information collaboratively
	Selects and applies recognized methods in interpreting discipline- based problems.	Presents substantially error- free prose in both argumentative and narrative forms to general and specialized audiences. (Communication fluency)	
	Assembles evidence relevant to problems, describes its significance, and uses it in analysis.		
	Describes the ways in which at least two disciplines define, address and justify the importance of a contemporary challenge or problem.		
	Identifies, categorizes and distinguishes among ideas, concepts, theories and practical approaches to problems.		

At the Bachelor's level, the student:

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Defines and explains the boundaries, divisions, styles and practices of the field.	Frames a complex scientific, social, technological, economic or aesthetic challenge or problem from the perspectives and literature of at least two academic fields and proposes a “best approach” to the question or challenge using evidence from those fields.	Differentiates and evaluates theories and approaches to complex standard and non- standard problems within his or her major field. (Analytic inquiry)	Presents a project, paper, performance or other appropriate task linking knowledge and skills from work, community or research activities with knowledge acquired in academic disciplines; explains how elements were combined to shape meaning or findings; and shows the relationship to relevant scholarship.	Explains diverse perspectives on a contested issue and evaluates insights gained from different kinds of evidence reflecting scholarly and community perspectives.	
Defines and properly uses the principal terms in the field, both historical and contemporaneous.	Produces, independently or collaboratively, an investigative, creative or practical work that draws on specific theories, tools and methods from at least two academic fields.	Incorporates multiple information resources in different media or languages in projects, papers or performances, with appropriate citations; and evaluates the relative merits of competing resources with respect to clearly articulated standards. (Use of information resources)	Formulates a question on a topic that addresses more than one academic discipline or practical setting, locates appropriate evidence that addresses the question, evaluates the evidence in relation to the problem's contexts, and articulates conclusions that follow logically from analysis.	Develops and justifies a position on a public issue and relates this position to alternative views within the community or policy environment.	Analyze security, privacy, ethical, and/or legal issues related to the digital information world
Demonstrates fluency in the use of tools, technologies and methods in the field.	Explains a problem in science, the arts, society, human services, economic life or technology from the perspective of at least two academic fields, explains how the methods of inquiry and research in those disciplines can be brought to bear, judges the likelihood that the	Constructs a cultural, political or technological alternate vision of either the natural or human world through a written project, laboratory report, exhibit, performance or community service design;	Completes a field-based assignment in the course of study that employs insights from others; evaluates a significant question in relation to concepts, methods or assumptions in at	Collaborates in developing and implementing an approach to a civic issue, evaluates the process and, where	Summarize policies to responsibly handle information

	combination of disciplinary perspectives and methods would contribute to the resolution of the challenge, and justifies the importance of the challenge in a social or global context.	defines the distinct patterns in this alternate vision; and explains how these patterns differ from current realities. (Engaging diverse perspectives)	least one academic field; and explains the implications of learning outside the classroom.	applicable, weighs the result.
Evaluates, clarifies and frames a complex question or challenge using perspectives and scholarship from the student's major field and at least one other.		Translates verbal problems into mathematical algorithms, constructs valid arguments using the accepted symbolic system of mathematical reasoning, and constructs accurate calculations, estimates, risk analyses or quantitative evaluations of public information through presentations, papers or projects. (Quantitative fluency)		Appraise sources of information in the digital world
Constructs a project related to a familiar but complex problem in the field of study by assembling, arranging and reformulating ideas, concepts, designs or techniques.		Constructs sustained, coherent argument or presentation on technical issues or processes in more than one language and in more than one medium for general and specific audiences; and works through collaboration to address a social, personal or ethical dilemma. (Communication fluency)		Use technology to categorize, organize, and critique information collaboratively
Constructs a summative project, paper or practice-based performance that draws on current research, scholarship and/or techniques in the field.				Use multimedia tools to capture, consolidate, and communicate information
				Determine the nature and extent of

information needed, access and evaluate that information; and efficiently and ethically use the information for a specific purpose.

At the Master's level, the student:

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Elucidates the major theories, research methods and approaches to inquiry, and/or schools of practice in the field; articulates relevant sources; and illustrates their relationship to allied fields.	Articulates how the field has developed in relation to other major domains of inquiry or practice.	Disaggregates, adapts, reformulates and employs in an essay or project principal ideas, techniques or methods at the forefront of the field. (Analytic inquiry)	Creates a discrete project, paper, exhibit, performance or other appropriate task reflecting integration of knowledge acquired in practicum, work, community or research activities with knowledge and skills from at least two disciplines representing different segments of the curriculum (e.g., computer science and anthropology); documents the sources of the knowledge and skills reflected in the integration; articulates in writing how these elements influenced the resulting product; and assesses the significance of the work in light of major debates or developments in the primary field(s).	Assesses and develops a position on a significant public policy question in the student's field, taking into account scholarly and community perspectives.	Appraise security, privacy, ethical, and/or legal issues related to the digital information world
Assesses the contributions of major figures and organizations in the field; describes its major methodologies and practices; and implements at least two such methodologies and practices through projects, papers, exhibits or performances.	Designs and executes an applied, investigative or creative work that draws on the perspectives and methods of other fields and assesses the resulting gains and difficulties.	Provides adequate evidence through papers, projects, notebooks, computer files or catalogues of expanding, assessing or refining either a recognized information resource or an information base within the field. (Use of information resources)	Creates, designs and implements a performance or project in an out-of-class setting requiring application of advanced knowledge to a practical challenge; articulates in- sights gained from the field experience; assesses, with appropriate citations, selected approaches or scholarly debates applicable to the problem; articulates a reasoned judgment on selected issues in the field; and assesses standards for professional performance and continuing development with specific reference to the experience.		Analyze information to solve real world problems
Articulates	Articulates	Addresses in a project,			Use technology

major challenges involved in practicing the field, elucidates its leading edges, and delineates its current limits with respect to theory, knowledge and practice.	and defends the significance and implications of his or her specialized work in terms of challenges, trends and developments in a social or global context.	paper or performance a core issue in the field from the perspective of a different point in time or a different culture, political order or technological context, and elucidates how the perspective contributes to results that depart from current norms, dominant cultural assumptions or technologies. (Engaging diverse perspectives)	to effectively and efficiently access, analyze, and use information to support research
Initiates, assembles, arranges and reformulates ideas, concepts, designs and techniques in carrying out a project directed at a challenge in the field beyond conventional boundaries.		Not seeking a degree in a quantitative field employs and applies mathematical, logical or statistical tools to problems within the field in a project, paper or performance, while the student seeking a degree in a quantitative field articulates and undertakes multiple appropriate applications of quantitative methods, concepts and theories. (Quantitative fluency)	Evaluate and use technology to enhance communication, community, collaboration, and critical thinking.
		Creates sustained, coherent explanations and reflections on the student's own work in two or more media or languages to both general and specialized audiences. (Communication fluency)	Evaluate technology to communicate, collaborate, categorize, organize, and critique information collaboratively
			Establish the nature and extent of information needed, access and evaluate that information; and efficiently and ethically use the

General Education

Philosophy of General Education

The APUS General Education program provides a broad-based liberal arts education that complements the students' major area of study, affording students a basic foundation of principles, concepts, and methodologies upon which they prepare for, and engage in, advanced learning. The General Education curriculum empowers students to engage in critical thinking, communication, information literacy, and academic skills that support creative decision making and life-long learning. Students will achieve a level of awareness and understanding that permits them to become effective leaders, creative thinkers, and ethical decision makers in a global, diverse, and technological society.

There are two basic components of the General Education program at APUS:

- **Basic Skills Component**
- **Basic Knowledge Component**

The Basic Skills Component

This component prepares students for advanced learning by providing the knowledge and skills needed to succeed academically, professionally, and personally. APUS students should expect to demonstrate competency in:

Effective Communication

- Express thoughts and ideas in writing.
- Demonstrate the ability to comprehend the written word.
- Demonstrate the ability to present thoughts and ideas orally.
- Comprehend the role of technology in social change.
- Use technology to acquire, process, and share information.

Information Literacy

- Determine the nature and extent of the information needed.
- Access needed information effectively and efficiently.
- Critically evaluate information and its sources and incorporate selected information into his/her knowledge base and value system.
- Effectively use information, individually or as a group member, to accomplish a specific purpose.
- Identify many of the economic, legal, and social issues surrounding the use of information.
- Access and use information ethically and legally.

Critical Thinking

- Use abstract reasoning, analyzing, and synthesizing to solve problems.
- Assess the ethical, aesthetic, and practical consequences of human action toward others as well as the environment.
- Utilize qualitative and quantitative analysis and scientific reasoning that lead to effective problem solving.

Personal and Social Responsibility in a Diverse Global Society

- Recognize different cultures and their contributions to global society.
- Apply appropriate decision making and interaction based on knowledge of differences and similarities among cultures and individuals.
- Recognize the inter-dependence among diverse cultures.
- Recognize the significance of civic knowledge and engagement.

The Basic Knowledge Component

This component involves the organization of essential information about nature and human society, including modes of inquiry and historical development. APUS students should expect to demonstrate proficiency in:

Core knowledge of the Social Sciences

- Appreciate civic responsibility and ethical principles.
- Recognize the value of the individual within a culturally-varied world.

Core knowledge of Science

- Use of scientific models to collect and analyze information.
- Demonstrate proficiency in applying the scientific method - defining a problem, developing a hypothesis, collecting data, and testing the hypothesis through experimentation and inquiry.
- Apply quantitative and qualitative approaches to the study of scientific concepts.

Core knowledge of Mathematics

- Use of mathematical models to collect data and analyze information.
- Use of mathematics in problem solving.

Core knowledge of English

- Demonstrate effective oral and written communication skills.
- Organize information coherently.
- Utilize appropriate format and language for different audiences.

Core knowledge of Literature and Humanities

- Demonstrate knowledge of the contributions of literature and the humanities to today's society.
- Appreciate the historical impact on and of literature and the humanities.

Core knowledge of History

- Historical comprehension and appreciation of our cultural heritage, whether ancient or modern.
- Recognize of the importance of historical events in analyzing contemporary social, political, technological, and economic issues.

Core knowledge of Research

- Employ correct citation formats and reference research material in academic writing.
- Integrate scholarly research information effectively in academic writing.
- Write at an appropriate academic level.

Core knowledge of Diversity

- Appreciate diverse social and cultural issues.

Beyond the specific skills and knowledge gained, it is expected that APUS graduates will integrate these skills and areas of knowledge in the pursuit of life-long learning.

General Education Requirements

Completion of the courses listed below fulfills APUS General Education requirements within all Associate and Bachelor's degree programs. Please note that the General Education requirements for the Associate or Bachelor of Science degrees differ in some respects, requiring more math and/or science. Students should review carefully the General Education requirements indicated for their specific Associate or Bachelor of Science program. If a General Education course option is listed as Required Course in an

area other than General Education (Core/Major/Minor/Concentration/Certificate), it may not be used to fulfill credit hour requirements in both areas. Students will need to select a different course option to fulfill the General Education area requirements. Program requirements supersede all general APUS requirements.

English Composition - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 or 8 semester hours depending on program (includes 1 or 2 required labs)

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Note: Students enrolled in Science courses that have a laboratory component are required to complete the associated lab course. Please note that some degree programs specify science courses to fulfill General Education requirements, while others allow for a choice of any Science course from the list above.

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)

- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Grading Policies

The APUS grading system is provided in the following chart. Additional information regarding the posting of grades and the petitioning of grades is available in the Student Handbook.

Grade	Quality Points	Description
A	4.0	All: Very high quality, clearly above average work
A-	3.67	
B+	3.33	
B	3.0	Undergraduate: Above average Graduate: Expected performance level
B-	2.67	
C+	2.33	
C	2.0	
C-	1.67	Undergraduate: Below Average Graduate: Failing
D+	1.33	Undergraduate: Unsatisfactory Graduate: Failing
D	1.0	Undergraduate: Unsatisfactory Graduate: Failing
D-	.67	Undergraduate: Unsatisfactory Graduate: Failing
F	0.0	Undergraduate: Failing Graduate: Failing
P	NONE	Undergraduate: Pass Graduate: Pass
PD	NONE	Graduate Comprehensive Exam Only: Pass with Distinction
FAIL	NONE	Graduate Comprehensive Exam Only: Failed the Exam
I	NONE	All: Incomplete
DP	NONE	Dropped
W	NONE	All: Withdrawn
WF	NONE	A Withdrawal that was allowed but instructor requested a failing notation
X	NONE	Audit grade: No Academic Credit awarded
R	NONE	Previously failed course that was retaken
S	NONE	Satisfactory: No Academic Credit awarded
U	NONE	Unsatisfactory No Academic Credit awarded
RW	NONE	A retroactive withdrawal from a course
PLA	NONE	Credit awards for prior learning

Repeat Coursework

You can only retake a course if you received a failing grade “F” and if the exact same course is still offered at APUS.

You are not able to retake a course in which you received an A-D grade in order to raise your GPA or if APUS no longer offers that same course.

RETAKING A FAILED COURSE

APUS now allows you one opportunity to retake a failed course and have your original failed grade forgiven from your GPA. The original failing grade will show as “R” on your transcript, and the previous failing grade will be removed from your GPA as long as you complete the course retake. However, you will still see your original failing grade on your personal online academic plan and on your individual online grade reports.

Prior to August 2008:

- If the course start date for your retaken course was **prior to August 1, 2008**, the retake does not impact the original failing grade. Both failing grades will be displayed on the transcript and both will be incorporated into the GPA.

August 2008 to April 2014:

- If the course start for your retaken course was on or after August 1, 2008, the retake removes the impact of the original failing grade on your GPA.

On or After April 2014:

- As of courses starting in April 2014, you will only be allowed one retake of each failed course. All failed attempts of the course prior to April 2014 will count as one failure, so as of April 2014, you will still have one attempt available to pass any previously failed course.

IMPORTANT TO KNOW

- The course retake policy only applies if the exact same course that you previously failed is still offered.
- This policy does not apply to Comprehensive Exam or Capstone/Thesis/Practicum courses. Please see the next section of the handbook for the retake policy on these course types.
- Original failing grades of retaken courses will still be used to calculate SAP (Satisfactory Academic Progress) for financial aid and for the % of course credit attempted vs course credit earned for graduation eligibility.
- The retake policy does not apply to courses that you took in programs that you have already completed. For example, if you failed a course in your Associates program, and have already had that degree conferred, you cannot have the original failing grade forgiven in your GPA by retaking it now in your Bachelor’s program.
- The Army (GAE) does not follow AMU’s course retake policy when it is calculating your overall GAE GPA for TA eligibility. The Army’s GPA is independent of a GPA with a soldier’s home college. It is calculated by averaging the grades for each completed course in the soldier’s Army Education records.
- UNDERGRADUATE ONLY: If you previously took a split science lecture/lab course combination, and failed one of the component courses, you will not be able to retake this science combination. You will need to take a different Science course selection to fulfill your GEN ED requirement. If the specific course you failed is a required course in your program, please contact your Academic Advisor to help you with this process.

Undergraduate Non-Degree Seeking Students (Courses for Transfer)

If you are enrolled as a non-degree-seeking student and receive a grade of C- or below on a course that you intend to transfer to another institution, you may retake the course to meet the other institution’s transfer policies. The duplicative credit for this course, however, cannot be applied toward a future APUS degree or certificate program.

Questions regarding retaking courses may be directed to counseling@apus.edu.

Satisfactory Academic Progress (SAP)

Students must maintain Satisfactory Academic Progress (SAP) to receive Federal Student Aid.

- According to Federal Regulations, students who fail to make satisfactory progress towards their degree or certificate will lose their ability to receive Federal Student Aid.
- This regulation applies to all students, including those that have not previously received financial aid.
- Students who lose their aid may appeal the loss provided there are mitigating circumstances that inhibited their academic progress.
- If mitigating circumstances do not exist, you may take classes at your own expense to demonstrate improvement for a future appeal.
- To otherwise restore eligibility students, must achieve the GPA and hours target as defined in the policy.

Our university system evaluates SAP at the beginning of each semester, defined as a 16-week period of academic study, and prior to the student receiving FSA for the first time at our university.

- APUS may grant administrative waivers or probationary terms (i.e., grades are not posted before the start of the next term in consecutive terms).
- The requirements of each criterion must be met and are described in detail below: There are three criteria used to measure Satisfactory Academic Progress:
 - Cumulative grade point average (qualitative)
 - Credit hour completion (quantitative)
 - Program deadline

Cumulative Grade Point Average (CGPA):

- Cumulative GPA is the qualitative measure of SAP, meaning that it looks at the quality of the grades that each student earns in their courses.
- Cumulative GPA is calculated after 6 undergraduate credits or 6 graduate credits are completed at APUS.
- Evaluation thereafter occurs in the segments listed in the table below. Only credits completed at APUS with a final grade of A through F are included in the Cumulative GPA calculation.
- To meet SAP requirements, students must maintain a Cumulative GPA that meets or exceeds our minimum as shown in the chart below.
- Students who fail to meet CGPA requirements also fail to meet SAP requirements and will be denied Federal Student Aid (Information on Loss of FSA Eligibility is located under Policies and Procedures for Award of FSA.).

SAP Criteria Based on Cumulative GPA and Credits Completed

	Total Credits Completed (including transferred credits*)	Minimum CGPA Required for Financial Aid
Undergraduate Students	6-12	1.00
	13-24	1.25
	25-36	1.50
	37-96	1.75
	97+	2.00
Graduate Students	6-9	2.00
	10-18	2.50

19-27	2.75
28+	3.00

- *Credits transferred in from another college or university via an official Transfer Credit Evaluation are factored into the calculation of how many credits a student has completed in determining the minimum Cumulative GPA threshold from the chart.
- For example, an undergraduate student with no transfer credits must have a minimum Cumulative GPA of 1.00 once they have completed (with a passing grade) their first 6 credits at APUS.
- However, a student who transferred in 15 credits and then earned his/her first 6 credits at APUS must have a minimum Cumulative GPA of 1.25 (15 transfer credits plus 6 credits completed equals 21 completed credits which falls into the 13-24 total credits completed range in the chart above).

Credit Hour Completion:

- Credit hour completion is the quantitative measure of SAP, meaning that you must complete a certain percentage of your courses to maintain eligibility for Federal Student Aid.
- Each academic program within our university system has a defined number of credit hours required for completion.
- A student must complete his/her program within 150% of the published credits.
 - For example, if your program requirements are 120 credits, you must satisfy all requirements of your program without having to attempt more than 180 credits.
 - For example, if your program requirements are 18 credits, you must satisfy all requirements of your program without having to attempt more than 27 credits.
- Courses with a final undergraduate grade of A through D- or a final graduate grade of A through C will be counted towards credits completed.
- Final grades that fall below the minimums (D- for undergraduates and C for graduates) are not counted as credits completed but will be used to determine credits attempted.
- Students who withdraw from a course are considered as having attempted the course. Students who drop a course are considered as having not attempted the course.
- Courses with grades of incomplete ("I") will not be counted as attempted until a final grade is earned by the student or the Registrar or instructor converts the "I" grade to an "F."
- Courses that are dropped prior to the course start date or during the add/drop period in Week One will not count towards attempted credits. **Please note:** All students are required to log into each of their courses during Week One and to submit a class discussion board post of at least 250 words. Students who do not submit this assignment during the first week of class will be automatically dropped from any courses in which this assignment has not been completed. Detailed information on classroom attendance is available at [Initial Contact - First Week of the Course](#).
- Remedial courses do not count towards attempted credits.
- Any course in which the student remains beyond Week One will count towards attempted courses regardless of the grade received.
- Repeated courses will count as attempted courses.
- To maintain SAP, students must achieve a minimum percentage of credits earned versus credits attempted.

SAP Criteria Based on Credits Attempted versus Credits Completed

	Credits Attempted	Credits Completed %
Undergraduate Students	6-12	50%
	13-24	60%

	25-36	65%
	37+	67%
Graduate Students	6-9	50%
	10-18	60%
	19+	67%

- Credits transferred from another college or university are included in determining the credits completed percentage for the quantitative measure - completed hours divided by attempted hours. Likewise, the total of APUS and transfer credits that a student has from another college or university will be added to determine where they fall on the chart above.

Example 1: A student registers for 12 credits as an undergraduate student at APUS. The student also has **12 transfer credits** from College A. At the end of the semester, here are the grades for the student:

Courses Attempted	Grades
Course 1 (3 credits)	W
Course 2 (3 credits)	F
Course 3 (3 credits)	B
Course 4 (3 credits)	C

- This student has attempted **12** credits at APUS but has only successfully completed **6** of those credits (Course 3 and Course 4).
- The credits completed at APUS would be added to the credits transferred (6 credits plus 12 credits), and the credits attempted at APUS would be added to the credits transferred (12 credits plus 12 credits).
- The credits completed percentage would be 75% (18 completed hours divided by 24 attempted hours).
- The next step is to look at the chart above and determine what percentage is needed to make SAP.
- You then find where 24 credits attempted falls on the chart above, and you will see that the student needs to have completed 60% of their courses to make SAP.
- In this example, the student is making SAP and will be eligible for their Federal Student Aid.

Example 2: A student registers for 15 credits as a graduate student at APUS and has 3 transfer credits. The student drops 3 credits during add/drop week of the semester. Here are the grades for the student at the end of the semester:

Courses Attempted	Grades
Course 1 (3 credits)	W
Course 2 (3 credits)	DP
Course 3 (3 credits)	B
Course 4 (3 credits)	F
Course 5 (3 credits)	F

- This student has attempted 12 credits at APUS but has only successfully completed 3 of those credits (Course 3).
- Dropped courses do not count toward attempted courses.
- The credits completed at APUS would be added to the credits transferred (3 credits plus 3 credits), and the credits attempted at APUS would be added to the credits transferred (12 credits plus 3 credits).
- The credits completed percentage would be 40% (6 completed hours divided by 15 attempted hours).

- Again, look at the chart above and determine what percentage is needed to make SAP.
- You then find where 15 credits falls on the chart, and you will see that the graduate student needs to have completed 60% of their APUS courses to make SAP.
- So this student is not making SAP and will no longer be eligible for their Federal Student Aid.

Program Deadline:

Program deadline start dates are determined when the student completes Week One of their initial course(s). Students must complete their program within the timeframe allowed as follows:

Associate Degree: 7 years from start date

Bachelor's Degree: 10 years from start date

Master's Degree: 7 years from start date

Certificate Program: 3 years from start date

Student Rights and Responsibilities

An academic community is based on personal integrity and respect for others. APUS follows the letter and spirit of applicable federal and state laws pertaining to the administration of an institution of higher education (e.g., laws governing student records, equal opportunity, etc.) and adheres to the guidelines published by appropriate professional groups with respect to admissions procedures, required credentials of faculty, and business ethics. Information regarding student right and responsibilities, including appeals processes, can be found in the Student Handbook at: <http://www.apus.edu/student-handbook/rights-responsibilities/> .

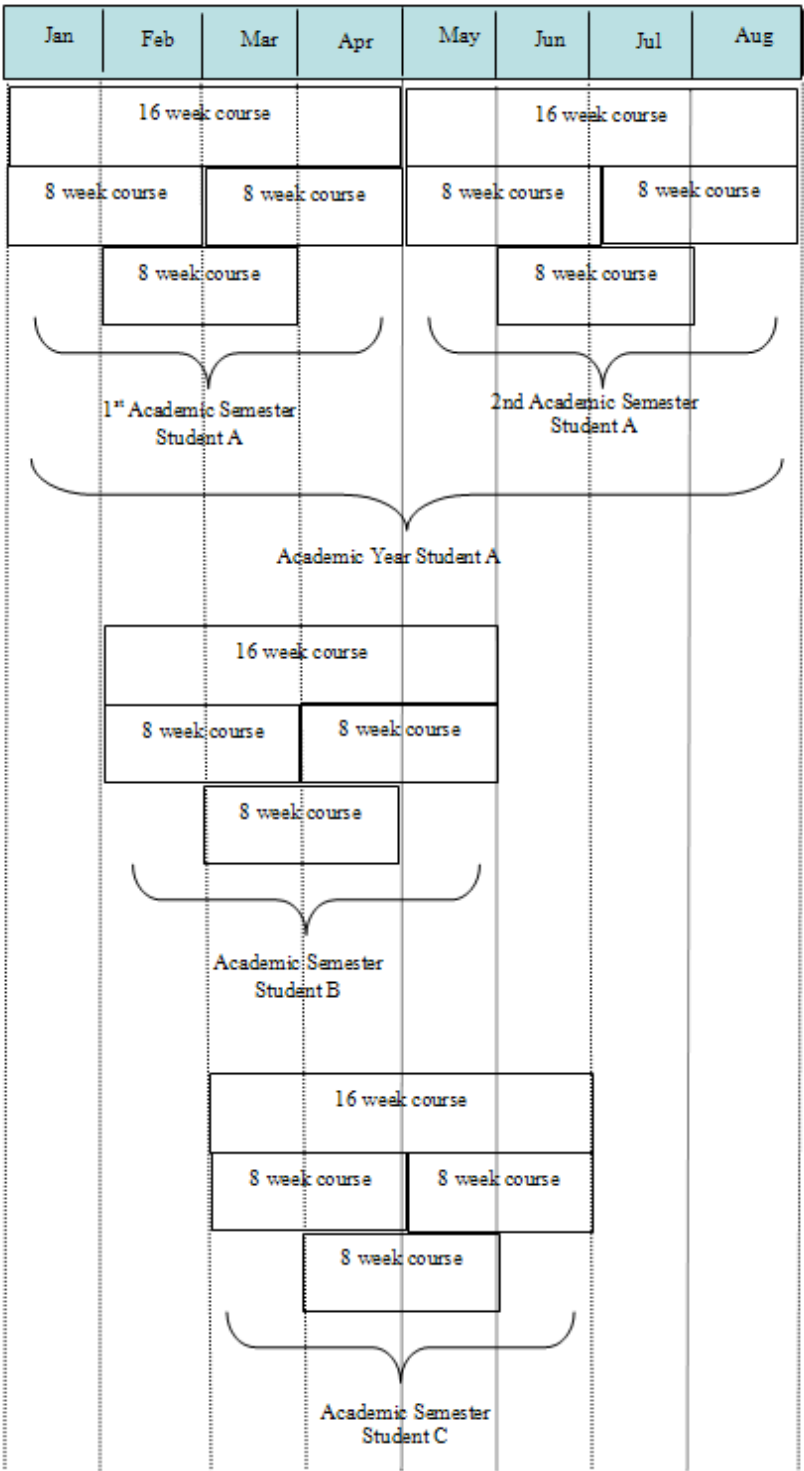
Academic Semesters and Years

APUS has a rolling academic year that is different from traditional institutions which typically operate on an academic year normally defined by fall and spring semesters. At APUS, courses start each month and are offered in 8- and 16-week formats. Students may take a combination of 8- and 16-week classes and may overlap class starts to fit their individual schedules.

To comply with the rules established by the Department of Education for disbursement of Federal Student Aid under the provisions of Title IV of the Higher Education Act, students receiving Federal Student Aid must take classes on a defined 16-week academic semester schedule. Two consecutive 16-week academic semesters (32 weeks) comprise the student's academic year, and students receiving FSA may not take classes that overlap semesters. When students first start their studies at APUS, the start date of their first class defines the start date of their individual 16-week academic semester, during which they must take a prescribed number of classes (semester hours) to be eligible for FSA. Counseling for students receiving FSA will be conducted by the APUS financial aid staff and other appropriate staff during the registration process to ensure that they understand the rules for number of semester hours attempted, academic semester restrictions, etc.

The diagram on the right depicts an example of student-defined APUS academic semesters and years:

- Each student defines his/her own academic semesters based on start date of their first course
- Semesters are 16 weeks long; the academic year is 2 successive semesters
- Students receiving Federal Student Aid may not take courses that overlap semesters
- Students may take a combination of 8- and 16-week courses during a semester, so long as each course starts and ends within the semester



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About Academic Programs

The American Public University System offers several options for undergraduate study: Associate degrees, Bachelor's degrees, undergraduate certificates, minors, and learning tracks. All degree programs include a general education component and all undergraduate students are required to enroll in COLL100 – Foundations of Online Learning as their first course. Some students who have experience with online learning and have substantial life and work experience may be able to waive this requirement. Please refer to the Student Handbook for details on the waiver process. Associate degree programs require a minimum of 60 semester hours which must be completed within seven (7) years of the students' first enrollment date. Bachelor's degree programs require a minimum of 120 semester hours. Students are allowed ten (10) years from the date of first enrollment to complete a Bachelor's degree. Please refer to the Student Handbook for information regarding extending a program deadline. Most Bachelors' programs include core, major, and elective requirements; many offer an opportunity to focus on a specific area of concentration.

Program Completion Rates, Median Debt, and More

For more about the graduation rates and median debt of students who completed each program, as well as other important information—visit www.APUS.edu/disclosure.

Associate Programs

APUS offers several Associate degree programs. The General Studies degree is designed to provide a solid foundation for further academic achievement. Discipline-specific Associate degrees provide students an opportunity to focus on courses that develop knowledge, skills, and abilities that are readily applicable to personal or professional interests. All students who enroll in an Associate degree program must register for COLL100 – Foundations of Online Learning as their first course. All Associate degrees require a minimum of 61 semester hours and a 2.0 GPA for graduation.

Associate of Arts

- [Business Administration](#)
- [Communication](#)
- [Counter Terrorism Studies](#)
- [Criminal Justice](#)
- [Early Childhood Care and Education](#)
- [General Studies](#)
- [History](#)
- [Hospitality](#)
- [Management](#)
- [Military History](#)
- [Real Estate Studies](#)
- [Retail Management](#)
- [Weapons of Mass Destruction Preparedness](#)

Associate of Science

- [Accounting](#)
- [Computer Applications](#)
- [Database Application Development](#)
- [Explosive Ordnance Disposal](#)
- [Fire Science](#)
- [Paralegal Studies](#)
- [Public Health](#)
- [Web Publishing](#)

Associate of Applied Science

- [Health Sciences](#)

Bachelor's Degree Programs

APUS Bachelor’s degree programs are designed to provide the knowledge, skills, and abilities for entry into the workforce, career transition, or graduate study. Bachelor’s degree programs require a minimum of 120 semester hours and a GPA of 2.0 for graduation. In most cases, these are comprised of general education, core, major, and elective requirements. In many programs, students have the opportunity to select specific concentrations within the degree program or opt for a general program. Students seeking a Bachelor’s degree may also elect to “minor” in a second academic discipline. All students who enroll in the Bachelor’s degree program must enroll in COLL100 – Foundations of Online Learning as their first course.

Bachelor

- [Bachelor of Business Administration](#)

Bachelor of Arts

- [Criminal Justice](#)
- [Emergency and Disaster Management](#)
- [English](#)
- [Entrepreneurship](#)
- [General Studies](#)
- [History](#)
- [Homeland Security](#)
- [Hospitality Management](#)
- [Human Development and Family Studies](#)
- [Intelligence Studies](#)
- [International Relations](#)
- [Management](#)
- [Marketing](#)
- [Middle Eastern Studies](#)
- [Military History](#)
- [Military Management and Program Acquisition](#)
- [Philosophy](#)
- [Political Science](#)
- [Psychology](#)
- [Religion](#)
- [Retail Management](#)
- [Reverse Logistics Management](#)
- [Security Management](#)
- [Sociology](#)
- [Transportation and Logistics Management](#)

Bachelor of Science

- [Accounting](#)
- [Criminal Justice with a Concentration in Forensics](#)
- [Cybersecurity](#)
- [Electrical Engineering](#)
- [Environmental Science](#)
- [Fire Science Management](#)
- [Information Systems Security](#)
- [Information Technology](#)
- [Information Technology Management](#)
- [Legal Studies](#)
- [Mathematics](#)
- [Natural Sciences](#)
- [Nursing](#)
- [Public Health](#)
- [Space Studies](#)
- [Sports and Health Sciences](#)
- [Sports Management](#)

Learning Track Programs

Learning Track programs are available to students who seek a very short program focused on career or professional development needs. Students are required to first take the two-week orientation, COLL099 - Classroom Success, and then take three courses for a total of nine semester hours. In some cases, credits from a Learning Track program can be applied to a Certificate or an Associate's or Bachelor's degree. However, students are not permitted to enroll concurrently in multiple programs in the same academic discipline. For example a student who had previously completed a Learning Track in Criminal Justice might be able to apply those credits toward an Associate of Criminal Justice degree; however, a student may not be enrolled in a Criminal Justice learning track program and a Criminal Justice degree program at the same time. Students may not use military tuition assistance, GI Bill, or federal student aid to pay for learning track courses. Cash or civilian employer tuition assistance may be used.

- *Business Basics*
- *College Readiness*
- *Criminal Justice*
- *Economics*
- *Information Security*
- *Information Technology (IT) Project Management*
- *Managerial Analytics*
- *Microsoft Access Database*
- *Professional Development for Executives/Directors*
- *Professional Development for Managers*
- *Professional Development for Senior Managers*
- *Visual Design*
- *Web Development*

Undergraduate Minors

Because it is important for students to develop an understanding of multiple academic disciplines, students may pursue a minor in addition to their major. For example, a military history major might select an intelligence studies minor. The combination of the major and the unrelated minor will enable students to expand their thinking beyond the single discipline, while also allowing them to present a broader academic portfolio to potential employers or graduate schools. Students may not minor in a discipline directly related to their major discipline. Eighteen semester hours are required for each minor. Students may apply transfer credit towards courses that count towards the minor. Many students will be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning the electives within their degree program.

The programs below are available as undergraduate minors:

- [*African Studies*](#)
- [*American Military History*](#)
- [*Asian Studies*](#)
- [*Business Administration*](#)
- [*Child Development*](#)
- [*English*](#)
- [*European Studies*](#)
- [*Family Development*](#)
- [*History*](#)
- [*Intelligence Studies*](#)
- [*International Relations*](#)
- [*Latin American Studies*](#)
- [*Management*](#)
- [*Marketing*](#)
- [*Middle Eastern Studies*](#)
- [*Military History*](#)
- [*Military Management*](#)
- [*Philosophy*](#)
- [*Psychology*](#)
- [*Religion*](#)
- [*Security Management*](#)
- [*Sociology*](#)
- [*Space Studies*](#)

Undergraduate Certificates

Certificate programs are available to students who seek a shorter program focused on career development or knowledge of a specific discipline. Students are required to take a minimum of 18 semester hours, although some certificates may require up to 24 semester hours. In some cases credits from a certificate program can be applied to an Associate or Bachelor's degree. However, students are not permitted to enroll concurrently in multiple programs in the same academic discipline. For example a student who had previously completed a Fire Science Certificate might be able to apply those credits toward a Bachelor of Fire Science degree, however, a student may not be enrolled in a Fire Science certificate program and a Fire Science degree program at the same time.

- [*Cloud Computing*](#)
- [*Computer Systems and Networks*](#)
- [*Corrections Management*](#)
- [*Counterintelligence*](#)
- [*Cybercrime Essentials*](#)
- [*Cybersecurity*](#)
- [*Digital Forensics*](#)
- [*E-Commerce*](#)
- [*Enterprise Web Applications*](#)
- [*Enterprise Web Applications using .NET*](#)
- [*Environmental Technology*](#)
- [*Explosive Ordnance Disposal*](#)
- [*Family Studies*](#)
- [*Fire Science*](#)
- [*Fish and Wildlife Management*](#)
- [*Forensics*](#)
- [*Hazardous Waste Management*](#)
- [*Homeland Security*](#)
- [*Human Resource Management*](#)
- [*Infant and Toddler Care*](#)
- [*Information Security Planning*](#)
- [*Information Systems Security Essentials*](#)
- [*Instructional Design and Delivery*](#)
- [*Intelligence Analysis*](#)
- [*Internet Webmaster*](#)
- [*IT Infrastructure Security*](#)
- [*Internet Webmaster*](#)
- [*IT Infrastructure Security*](#)
- [*IT Project Management Essentials*](#)
- [*Law Enforcement Leadership*](#)
- [*Meeting and Event Planning*](#)
- [*Microsoft Access Database Applications*](#)
- [*Microsoft Office Applications*](#)
- [*Military Leadership Studies*](#)
- [*Mobile Computing*](#)
- [*Paralegal Studies*](#)
- [*Public Lands Management*](#)
- [*Real Estate Management*](#)
- [*Regional and Community Planning*](#)
- [*Restaurant Operations*](#)
- [*Retail Management*](#)
- [*Security Management*](#)
- [*Space Studies*](#)
- [*Strategic Leadership*](#)
- [*Sustainability*](#)
- [*Terrorism Studies*](#)
- [*United Nations*](#)
- [*Visual Basic Application Development*](#)
- [*Visual Communications*](#)
- [*Weapons of Mass Destruction Preparedness*](#)
- [*Web 2.0*](#)
- [*Web Publishing*](#)

Undergraduate Course Descriptions

- [Business](#)
- [Child and Family Development](#)
- [Communications](#)
- [Criminal Justice](#)
- [Education](#)
- [Emergency Management](#)
- [Engineering](#)
- [English](#)
- [Environmental Science](#)
- [Finance and Accounting](#)
- [Foreign Languages](#)
- [Foundations](#)
- [History](#)
- [Homeland Security](#)
- [Hospitality Management](#)
- [Humanities](#)
- [Information Technology](#)
- [Intelligence Studies](#)
- [International Relations](#)
- [Legal Studies](#)
- [Literature](#)
- [Management](#)
- [Marketing](#)
- [Mathematics](#)
- [Military History](#)
- [Military Management](#)
- [Nursing](#)
- [Philosophy](#)
- [Political Science](#)
- [Professional Studies](#)
- [Psychology](#)
- [Public Administration](#)
- [Public Health](#)
- [Religion](#)
- [Retail Management](#)
- [Reverse Logistics Management](#)
- [Science](#)
- [Security Management](#)
- [Social Science](#)
- [Sociology](#)
- [Space Studies](#)
- [Sports and Health](#)
- [Sports Management](#)
- [Transportation and Logistics](#)
- [Women's Studies](#)

Message from the President

Critical thinking, leadership, and professional-relevance in a global society define American Public University System's educational commitment to our students from all 50 states and around the world. Founded in 1991 by a retired Marine Corps officer who envisioned an innovative way to offer quality and affordable education to our U.S. armed forces - we've grown to serve a diverse population of more than 100,000 military, public service, and corporate professionals through American Military University and American Public University. Today, we are one of the leading providers of online education, frequently recognized by the prestigious Online Learning Consortium (OLC) for best practices in online education. Our program and service standards are designed for the working adult student. We consistently strive to keep our tuition and fees affordable so that a quality education is always within your reach.

How do we distinguish ourselves from other universities? Above all, we provide outstanding programs and student services designed with your career outcomes in mind. We consult with industry leaders to continually assess our curriculum based upon marketplace needs and enhance it in line with their recommendations. Many of our faculty members are practitioners who bring current best practices from their fields into the classroom. Among our faculty, you'll find executives in government, business, and nonprofit organizations including the Department of Defense, Homeland Security, State Department, CIA, Federal Emergency Management Agency, and the United Nations.

Our learners are motivated, working adults often balancing family, school, and career. As a student, you'll quickly discover a supportive and tightknit community of faculty, staff, and fellow scholars who help drive an enriching and engaging classroom experience.

I invite you to learn more by talking with us or exploring our website. Find out how American Public University System is helping others achieve their goals - and how we can help you grow, stand out, and succeed.

Dr. Wallace E. Boston

President and Chief Executive Officer

Mission, Vision, and Core Values

Mission Statement

To provide quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible and affordable, and student-focused online programs, which prepare them for service and leadership in a diverse, global society.

Vision

The University System is a respected higher-learning organization known for its distinctive strengths in providing superior and relevant distance learning programs to its learners. In pursuing this vision, the University System:

- Creates interactive, effective learning environments for all constituents.
- Serves its constituents' diverse personal and professional development needs.
- Expands access to affordable programs to underserved learners.

Core Values

The University System is guided in fulfilling its mission by these shared principles and core values:

- **Learning:** The University System fosters an environment that promotes a life of learning for its constituents and uses feedback from its participants and supporters to improve the quality of its teaching, learning, and support.
- **Quality:** The University System holds a strong commitment to high standards in all aspects of its educational activities, learning outcomes, and support services. It seeks to continuously strengthen the overall effectiveness of its operations.
- **Integrity:** The University System conducts its operations and makes its public representations in an ethical manner. It assesses its operations in an open and collaborative manner and practices fairness, honesty, and objectivity in dealing with its constituencies.
- **Accountability:** The University System is accountable to its constituencies and the public for fulfilling its mission in an appropriate manner by openly assessing its operations and by inviting external evaluations by public agencies.
- **Access to Underserved:** The University System seeks to broaden access to its higher education programs by underserved communities who wish to engage the organization in their learning goals.
- **Adaptive and Responsive:** The University System anticipates and adapts to its changing environment and responds to the needs of the organization and its constituencies in manners both appropriate and timely.
- **Innovation:** The University System seeks imaginative and effective solutions to its challenges and innovative ways to fulfill its mission.
- **Collaboration:** The University System seeks and nurtures partnerships with its constituents and the communities it serves in creating effective learning environments for its learners.
- **Freedom of Inquiry and Expression:** The University System supports the rights of its constituents to freely inquire and express their opinions. It engages and encourages an open exchange of ideas and seeks input from all who wish to participate in its learning programs.
- **Diversity:** The University System embraces and promotes diversity in its policies and practices to prepare its learners to live and work successfully in an increasingly diverse society. It strives to create diverse learning environments by welcoming teachers, learners, and staff that bring diverse ideas, values, backgrounds, and beliefs to the learning and work environment.

History

The American Public University System (APUS) traces its history to June 11, 1991 with the establishment of American Military University (AMU) in the Commonwealth of Virginia. AMU was founded by retired Marine Corps Major James P. Etter as a graduate school of military studies for the purpose of providing military officers an opportunity to earn an advanced degree in a discipline associated with their profession of arms.

AMU offered all of its programs exclusively through distance learning. At that time, it was one of the first American degree-granting institutions operating exclusively at a distance. This method was adopted to accommodate the special needs of military students who moved often and served under uncertain conditions associated with training, exercises, and extended deployments. Distance learning allowed them the flexibility and accessibility to continue their studies under these demanding conditions with an institution that followed them through mail, e-mail, phone, and fax around the globe.

The University began operations and accepting students in January 1993 with 18 graduate students registering for 22 courses in Land, Naval, or Air Warfare. AMU's curriculum was gradually expanded to include related disciplines such as Unconventional Warfare, Civil War Studies, Intelligence, Defense Management, and National Security Studies.

In June 1995, AMU achieved initial accreditation with the Accrediting Commission of the Distance Education and Training Council (DETC). With this national accreditation, AMU students became eligible for Department of Defense Tuition Assistance Programs, the Veterans Administration Entitlement Programs, and federal and corporate tuition reimbursement benefits.

In January 1996, AMU introduced its undergraduate program with three initial areas of study: Military History, Military Management, and Intelligence Studies. These programs were intended to provide military personnel an opportunity to earn a relevant baccalaureate degree. Later, AMU began offering an Associate of Arts degree in General Studies to fulfill the needs of service members seeking a two-year degree. The University continued to expand its curriculum in response to the needs of its students and the military. Accordingly, programs such as Criminal Justice, Management, International Relations, Homeland Security, Security Management, Transportation and Logistics Management, Sports Management, Emergency and Disaster Management, and, later, a full range of liberal arts programs were introduced to meet the diverse interests and aspirations of the University's growing student body. With these new degree programs, AMU began attracting students from professions outside the military, primarily those in public service with law enforcement, fire and rescue, emergency planning, government, and defense contractors.

In 1998, AMU began transitioning its programs and services from a correspondence format to online to leverage the accessibility of online electronic classrooms, administrative services, and learning support facilities. At this time, AMU also outsourced its bookstore and textbook fulfillment services to an industry leader and began developing its proprietary student information system, Partnership At a Distance, or PAD. This system enabled students to apply for admission, complete an online orientation, register for courses, check degree progress, and apply for graduation from the convenience of their home or office with constant access to these online services.

In 2002, AMU expanded into the American Public University System and established American Public University to serve the educational needs of the public service community. Adopting the slogan of "Educating Those Who Serve", the APUS Mission expanded "to serve the nation's military and public service community with superior, relevant, and affordable distance learning programs which prepare them for leadership and service in a diverse, global society." With this organizational and mission expansion, the University System continued to expand and refine its curriculum to meet the special educational needs of its diverse student body.

In 2007, the APUS Mission evolved into "to educate the nation's military and public service communities by providing respected, relevant, affordable, and student-focused online programs, which prepare them for service and leadership in a diverse, global society" to more accurately define the institution's charge.

APUS was established in West Virginia, located within the region accredited by the Higher Learning Commission (HLC) of the North

Central Association of Colleges and Schools (NCA). Accordingly, APUS underwent the process of accreditation achieving this status in May 2006. The NCA's Higher Learning Commission is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

Today, APUS and its member institutions, American Military University and American Public University, serve more than 70,000 military and public service professionals with relevant distance learning programs. APUS serves students in all U.S. states and territories and in more than 100 foreign countries. APUS is appropriately a wholly-owned subsidiary of a publicly-owned company, American Public Education, Incorporated (APEI) which issued an initial public offering of its stock in November 2007 and is now trading on the NASDAQ as APEI.

Address and Phone Numbers

APUS has two administrative offices – our headquarters is in Charles Town, WV, and supporting administrative offices are in Manassas, VA.

Headquarters

111 West Congress Street
Charles Town, WV 25414
Phone: 304-724-3700
Toll Free: 877-468-6268

Administrative Offices

10110 Battleview Parkway Suite 114
Manassas, VA 20109
Phone: 703-330-5398
Toll Free: 877-468-6268

Accreditation and Licensure

Accreditation

What is it? Accreditation within higher education is a voluntary, nongovernmental process that gives public recognition to institutions that meet established quality standards. The purpose of accreditation is to assure the public as to the quality of an institution and its commitment to high standards through a system of continuous improvement. The U.S. Department of Education ([USDE](#)) formally recognizes accrediting commissions that meet all federal standards and the Council for Higher Education Accreditation ([CHEA](#)) extends recognition to accrediting bodies and their institutions that meet these established standards. American Public University System (APUS) has obtained accreditation as well as specialized/programmatic accreditation.

Credits and degrees earned through APUS may be recognized for promotion, assignment, and position qualification standards within the military, federal government, and private sector. For students transferring to other colleges, APUS credit is considered transfer eligible based on its accreditation. However, APUS cannot guarantee that its credit will be accepted, as acceptance of credit is always the prerogative of the receiving institution.

If you have questions or need further information on accreditation, please contact the Office of Institutional Accreditation at accreditation@apus.edu, Telephone: 304-724-3778, Fax: 304-724-3779.

Regional Accreditation

American Public University System (APUS) is accredited by the Higher Learning Commission (HLC), a member of the North Central Association (NCA). APUS is comprised of American Military University (AMU) and American Public University (APU). The Higher Learning Commission is an accrediting body recognized by the USDE and CHEA. Accreditation requires a significant amount of self-study and presentation of evidence to satisfy the demanding requirements of accrediting organizations. Obtaining accreditation demonstrates that APUS is focused on academic excellence and providing the best possible educational experience for its students.

Further information on recognition policies and standards may be found on the following web sites:

- [U.S. Department of Education](#)
400 Maryland Avenue, SW
Washington, DC 20202
(800) USA-LEARN (800-872-5327)
- [Council for Higher Education Accreditation \(CHEA\)](#)
One Dupont Circle, NW, Suite 510
Washington, DC 20036
(202) 955-6126
- [The Higher Learning Commission \(HLC\) of the North Central Association of Colleges and Schools](#)
230 South LaSalle Street, Suite 7-500
Chicago, IL 60604
(312) 263-0456

As an accredited institution, APUS is eligible to participate in federal educational entitlement programs such as military tuition assistance, government tuition reimbursement programs, the Department of Veterans Affairs GI Bill, and many corporate education assistance programs. In addition, APUS has been granted approval by the Department of Education to participate in Title IV Federal Student Aid Programs.

Licensure

The American Public University System is authorized to operate as an institution of higher education by the West Virginia Higher Education Policy Commission (HEPC). APUS is also permitted to operate as an out-of-state institution in the Commonwealth of Virginia by the State Council of Higher Education for Virginia (SCHEV). These are the states in which the University System maintains a physical presence and conducts its academic and service operations. Additionally, the American Public University System is engaged in a continuous process to certify that it is recognized as an accredited institution of higher learning by all 50 states and the District of Columbia. In this regard, the University is committed to ensuring that its academic programs, business practices, and operational activities remain in compliance with applicable regulations specific to each jurisdiction.

State-specific Details

The American Public University System is approved to operate in most U.S. states, either through licensure, registration, or exemption. Some states require that the University post approval-related statements on the APUS website, and some states list “approved” institutions on their websites.

Alabama: The University has received a Private School License from the State of Alabama Department of Postsecondary Education. The University has received a Certificate of Approval from the Alabama Commission on Higher Education. The ACHE requires the inclusion of the following disclaimers: **TEACHER EDUCATION:** State Authorization to provide a program related to the preparation of teachers or other P-12 school/system personnel does not indicate eligibility for an Alabama certificate. Applicants for an Alabama certificate based on reciprocity must meet Alabama's test requirements and submit a valid, renewable professional educator certificate/license issued by another state at the degree level, grade level, and in the teaching field or area of instructional support for which an Alabama certificate is sought and for which Alabama issues a certificate. Applicants for Alabama certification in an area of administration must also document at least three years of full-time employment as an administrator in a P-12 school system(s). www.aldse.edu **NURSING:** State approval of a program to offer Alabama licensed nurses opportunities for advanced degrees does not indicate eligibility for approval to practice as an advanced practice nurse in Alabama. Applicants for approval in Alabama are required to meet the Alabama requirements for national certification, graduation from a specific-type program for the advanced practice approval, and completion of the appropriate application. Any program offering a pre-licensure track to Alabama students shall meet the requirements of the Alabama regulations for pre-licensure programs or the graduates may not be eligible to take the national licensure examination required by the Alabama Board of Nursing to enter the practice.

Alaska: APUS is exempt from authorization under AS 14.48 and 17.015 because the program is online or distance delivered and does not have a physical presence in the state.

Arizona: The programs of the University are not under the jurisdiction of the Arizona State Board for Private Postsecondary Education. This exemption states the University does not have any physical presence in Arizona.

Arkansas: The Arkansas Department of Higher Education approved initial certification of the Associate of Arts in General Studies, Bachelor of Arts in Business Administration, Bachelor of Arts in Criminal Justice, Bachelor of Arts in Management, Bachelor of Arts in Psychology, Associate of Arts in Management, Bachelor of Arts in General Studies, Bachelor of Arts in Emergency and Disaster Management, Bachelor of Arts in Homeland Security, Bachelor of Arts in Intelligence Studies, Bachelor of Science in Sports and Health Science, Master of Arts in Homeland Security, Master of Business Administration, Bachelor of Arts in Transportation and Logistics Management, Associate of Arts in Business Administration, Associate of Arts in Childhood Care and Education, Bachelor of Science Environmental Science, Bachelor of Science in Information Technology, and Master of Arts in History. Any advertisement or published materials using the name Arkansas Higher Education Coordinating Board or the Arkansas Department of Higher Education must contain the following statement: “Arkansas Higher Education Coordinating Board certification does not constitute an endorsement of any institution or program. Such certification merely indicates that certain criteria have been met as required under the rules and regulations implementing institutional and program certification as defined in Arkansas Code §6-61-301. In order to meet Arkansas Department of Higher Education requirements, Arkansas students will be expected to take 35 hours of general education coursework that meets the Arkansas general education requirements including 8 hours of science and one course in U.S. History OR one course in Government.

California: The California Bureau for Private Postsecondary Education regulates through licensure all private colleges and

universities that are not formally accredited by an agency recognized by the U.S. Department of Education. APUS is regionally accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools; therefore the university is not required to be licensed by the Bureau.

Colorado: No regulatory authorization required: the University does not meet the Colorado requirement for physical presence. The University is not required to and cannot be authorized to operate in Colorado. This does not limit the University from enrolling students that happen to live in Colorado.

Connecticut: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Delaware: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Florida: The University maintains a current agent license for Danny Roby and Daniel Allen, Education Coordinators in Florida. The University was required to submit the Orientation and Training Module that was developed to support the university's admissions, marketing and recruiting personnel; and the Florida Agent Training Questionnaire.

Georgia: The University maintains a Certification of Authorization from the Nonpublic Postsecondary Education Commission in Georgia.

Note to Georgia Students: All academic appeals will be handled in accordance with the normal University hearing process.

Grievances that are not resolved through normal, APUS administrative processes should be referred to the Georgia Nonpublic Postsecondary Education Commission. Students may contact the Commission at 2082 East Exchange Place, Suite 220, Tucker, GA 30084; (770) 414-3300 (www.gnpec.org).

Hawaii: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Idaho: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground in the state.

Illinois: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Indiana: This institution is authorized by: The Indiana Board for Proprietary Education. 101 W. Ohio Street, Suite 670, Indianapolis, IN 46204-1984.

Iowa: The American Public University System is registered to operate as a provider of distance education programs in the State of Iowa. Students who have questions or concerns about the University may contact: Iowa College Student Aid Commission 430 E. Grand Ave., 3rd floor Des Moines, IA 50309, (877) 272-4456 <http://www.iowacollegeaid.gov/constituentrequest.asp>. For state specific policies, please click [here](#).

Kansas: Certificate of Approval, #300048.

Kentucky: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Louisiana: APUS is currently licensed by the Board of Regents of the State of Louisiana. Licenses are renewed by the State Board of Regents every two years. Licensed institutions have met minimal operational standards set forth by the state, but licensure does not constitute accreditation, guarantee the transferability of credit, nor signify that programs are certifiable by any professional agency or organization.

Maine: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Maryland: The University is registered with the Maryland Higher Education Policy Commission to enroll Maryland students into its fully online programs.

Massachusetts: The University has registered as a foreign corporation in the Commonwealth of Massachusetts. No formal application for licensure has been submitted.

Michigan: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Minnesota: The University is approved to offer the Master of Arts in Homeland Security. Catalogs, applications and enrollment material must contain the following language: "The American Public University System is registered as a private institution with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may or may not transfer to all other institutions."

Mississippi: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Missouri: No formal application for licensure has been submitted.

Montana: The University submitted regional accreditation notification to the Office of Commissioner of Higher Education. This will serve as evidence that the University has complied with all of the laws and regulations concerning out-of-state institutions that come into Montana to offer coursework and programs.

Nebraska: The University submitted to the Coordinating Commission for Postsecondary Education an Affirmation of Intent to offer on-line courses in Nebraska – No physical presence in the state.

Nevada: APUS has received a full term license from the Nevada Commission on Postsecondary Education to offer educational courses.

New Hampshire: APUS will be seeking Administrative Approval from the New Hampshire Department of Education - Higher Education Commission during 2014.

New Jersey: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

New Mexico: The University is registered as an out-of-state proprietary institution with the New Mexico Higher Education Department (NMHED) to actively recruit students in New Mexico.

NOTE: New Mexico Higher Education Department will receive complaints that were unable to be resolved through the institution's internal complaint process. Generally, in order to file a complaint with NMHED, you must have already filed with and received a response from the institution which you are complaining against. If you have legitimate reasons preventing you from filing a complaint with the institution, you must provide supporting documentation to that regard. Please visit this website for additional information: <http://hed.state.nm.us/Complaint.aspx>.

New York: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

North Carolina: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

North Dakota: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Ohio: The following online degree programs that contain on-ground components to be completed in Ohio have been authorized by the Ohio Board of Regents. Master of Education in Educational Leadership, Master of Education in School Counseling, Master of Education, Teaching - Elementary Education, Master of Education, Teaching - Secondary Social Studies, Post-baccalaureate

Teacher Preparation Certificate.

Oklahoma: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Oregon: APUS has received approval from the Office of Degree Authorization to offer online courses, certificates, and degree programs to students in Oregon and includes approval to place students at appropriate sites in Oregon.

Pennsylvania: In compliance with 34 CFR 600.9, The Pennsylvania Department of Education has approved APUS to offer our degree programs in the state.

Rhode Island: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

South Carolina: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

South Dakota: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Tennessee: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Texas: Pursuant to provisions of the Texas Education Code (Chapter 61, Subchapter G, Section 61.315 and the Texas Administrative Code, Title 19, Chapter 7, Section 7.80), the Texas Higher Education Coordinating Board has approved Arthur Rodriquez and Guillermo Cruz as registered agents.

Utah: APUS has received The Accredited Institution Certificate of Exemption. Certificate #8072345-9985.

Vermont: APUS is exempt from licensure since it does not maintain physical facilities or offer instructional programs on the ground within the state.

Virginia: The State Council of Higher Education for Virginia (SCHEV) has certified the school to operate in Virginia.

Note to Virginia students: Students have the right to file a grievance with the State Council of Higher Education for Virginia (SCHEV). A representative from SCHEV can be reached at the following: 101 N. 14th Street, James Monroe Building, Richmond, VA 23219; telephone (804) 225-2600. Students will not be subjected to adverse actions by any school officials as a result of initiating a complaint.

Washington: American Public University System is authorized by the Washington Student Achievement Council and meets the requirements and minimum educational standards established for degree-granting institutions under the Degree-Granting Institutions Act. This authorization is subject to periodic review and authorizes American Public University System to advertise, recruit and offer field placements for specific degree programs. The Council may be contacted for a list of currently authorized programs. Authorization by the Council does not carry with it an endorsement by the Council of the institution or its programs. Any person desiring information about the requirements of the act or the applicability of those requirements to the institution may contact the Council at P.O. Box 43430, Olympia, WA 98504-3430. *Washington State residents and RN license holders:* The R.N. to B.S. in Nursing program is not currently open for admission to Washington State Residents and RN license holders.

West Virginia: The University has received Category II status from the West Virginia Higher Education Policy Commission, which represents the final step in achieving full authorization to operate in the state. No further action is required.

Wisconsin: APUS has been approved by the State of Wisconsin Education Approval Board (EAB) as a private school, subject to the provision of Wisconsin Statutes 38.50. A representative for the EAB can be reached at 201 W. Washington Avenue, 3rd Floor, Madison, WI 53703-2579; telephone (608) 266-1996; email eabmail@eab.state.wi.us.

Wyoming: The University maintains a Private School Registration from the Wyoming Department of Education (Certificate

number 14-018-30).

The District of Columbia: The University maintains an Agent's License to operate in the District of Columbia.

Employment Disclosure

American Military University and American Public University are part of the American Public University System (APUS). APUS offers academic programs leading to degrees and certificates in a number of fields for which professional practice requires licensure or certification by state, local, or professional boards. In addition, employers consider a range of factors when determining whether a candidate is eligible for a job, including, among other things, work experience, results of criminal background checks and military discharge information. Students and former students are solely responsible for determining and complying with state, local, or professional licensure and certification requirements and with other employment requirements. APUS makes no representation or guarantee that successful completion of a degree or certificate program at APUS will enable a student to obtain professional licensure or certification or particular employment. Prior to enrolling in any program, all students are strongly encouraged to research carefully all licensure, certification and employment requirements related to their desired fields of study. To assist our students and alumni in their career search and in pursuing their career goals, the APUS Office of Career Services provides a variety of tools, resources, guidance, and information. For more information on career services, visit [AMU Career Services](#) or [APU Career Services](#).

Recent AMU or APU graduates should be aware that it is APUS policy not to hire alumni until they have demonstrated significant classroom experience outside of our own university system. A period of two to five years of outside experience is required. This policy ensures that the body of faculty at APUS maintains a variety of perspectives and brings fresh ideas to our organization.

Harassment, Discrimination, and Retaliation Policy

American Public University System (the University) is committed to providing an environment that is free of all forms of unlawful harassment and discrimination. In keeping with this commitment, we maintain a strict policy prohibiting all forms of unlawful harassment and discrimination in interactions that take place in the University environment, whether physical or virtual.

Harassment is unwelcome and disrespectful conduct and communication. Discrimination is any treatment – including harassment – on the basis of a protected characteristic. The University does not engage in and will not tolerate harassment or discrimination based on sex, race, color, religion, national origin, age, marital status, veteran status, handicap, disability, or any other characteristics protected by applicable federal, state or local law.

If you experience, observe, or become aware of behavior that you believe to be harassing or discriminatory in nature, or that is inappropriate or offensive, you are strongly encouraged to report the behavior immediately to the appropriate authority.

To report harassment or discrimination, contact Frank Turner, APUS Student Conduct Officer at fturner@apus.edu. You should provide a description of the issue (including factual details about the people involved, names of any witnesses, and dates of incidents of objectionable behavior) and any steps that have been taken to resolve the issue informally. You may also choose to report harassment or discrimination on the basis of sex to the Office for Civil Rights of the U.S. Department of Education.

Persons reporting incidents of harassment, discrimination, or retaliation may be concerned about the confidentiality of information they are sharing. The right to confidentiality, both of the complainant and the accused, will be respected to the extent possible insofar as it does not interfere with the University's legal obligations or ability to investigate or to take corrective action when it is found that misconduct has occurred.

It is our policy to promptly and equitably investigate any report of harassment, discrimination or retaliation. Appropriate action will be taken against any individual who violates this policy. Harassment or discrimination by any student to another student or a University faculty or staff member will result in disciplinary action up to and including expulsion. Harassment or discrimination by a University faculty or staff member to another employee or student will result in disciplinary action up to and including termination. In addition, any individual who engages in conduct prohibited by this policy may be personally liable in legal action brought against him or her.

You will be protected from retaliation for making a report or participating in an investigation under this policy. All complaints of retaliation should be reported in accordance with the procedure outlined above. Any person who retaliates against any individual filing a claim of harassment or discrimination will be considered to have violated this policy; retaliation will result in corrective action up to and including separation or expulsion.

Cyber-Harassment Policy

The University is committed to providing a safe, positive learning environment for students, faculty and administrators. The University believes that preventing cyberstalking and cyber-harassment is critical to creating and maintaining a safe and secure culture, which supports academic achievement. Cyber-harassment can create an atmosphere of fear and intimidation, which may lead to more serious violence. Cyberstalking and cyber-harassment are prohibited at the University.

Cyberstalking is threatening behavior or unwanted advances directed at another using the Internet and other forms of online and computer communications.

Cyber-harassment differs from cyberstalking in that it generally does not involve a credible threat. Cyber harassment is the willful and repeated use of cell phones, computers, and other electronic communication devices to harass and threaten one or more students, faculty or staff members, which occurs in the school setting or through the use of technology with an effect of doing any of the following:

- Substantial interference with a student's education;
- Creation of a threatening environment;

- Substantial disruption of the orderly operation of the university.

Examples of cyber-harassment:

- Using the Internet, cell phone, email or any other form of electronic communication to intimidate someone;
- Online fighting/trash talking;
- Offensive harassing messages;
- Sending unsolicited text messages to another user;
- Publicly disclosing someone's personal information;
- Breaking into an account and sending damaging messages;
- Taking pictures of someone and posting the pictures without their consent;
- Creating a fictitious online account using legitimate personal information and then placing damaging or harassing information in the account.

Cyberstalking and cyber-harassment are prohibited, whether in the classroom, online, through the use of social networking sites, email or any other form of electronic communication. The use of the University email server to send harassing messages to individuals outside of the university is also prohibited. Any harassment not listed above is covered by this policy if the incident results in the disruption of the university's learning environment.

Cyberstalking and cyber-harassment are criminal offenses. Cyberstalking and cyber-harassment based on protected characteristics may also implicate federal, state, and local non-discrimination laws. The University reserves the right to report an incident to the appropriate law enforcement agencies, and it will participate in any investigation by law enforcement of an alleged cyberstalking or cyber-harassment offense. In addition, the University will apply its policies and procedures regarding adverse actions as it deems appropriate. Those policies and procedures are described in the Student Handbook. For example, those policies and procedures provide that students who are perceived to be a possible danger to other students or to themselves may be involuntarily withdrawn from the University. To initiate this process, a University member must contact Frank Turner, APUS Student Conduct Officer at fturner@apus.edu. If a person is convicted of cyber stalking or cyber-harassment, the person may face serious criminal sanctions, and the University may take adverse action against the student in accordance with its policies and procedures.

University General Grievance Procedure

American Public University System (the University) is dedicated to open communication and the exchange of ideas and/or concerns. Recognizing that, at times, a student may wish to voice a concern, the University has this procedure for addressing students' general complaints.

- If a student has a complaint or concern regarding the University, the student should first communicate the complaint or concern directly and informally with the appropriate department or faculty member. If the complaint or concern is not resolved within the department, the student should continue with the process described below. A student who believes informal resolution is not appropriate due to the sensitive nature of the complaint (for example, sexual harassment or sexual violence) may initiate the appropriate process described below without communicating directly to the department or faculty member involved. Complaints should be filed as soon as possible. For academic issues (classroom issues, grades, faculty concerns): Student emails academics@apus.edu, outlining the complaint or concern and what steps have been taken toward resolution. Academic issues can be complex and require multiple steps to be taken before they can be resolved. The time it takes to resolve individual complaints may vary, but students can expect an initial response, outlining next steps and timelines within 3-5 business days.
- For non-academic issues (service complaints, refunds, etc.): Student emails studentservices@apus.edu, outlining the complaint and concern and what steps have been taken toward resolution. The time it takes to resolve individual complaints may vary, but students can expect an initial response, outlining next steps and timelines within 3-5 business days.
- Complaints regarding disability accommodations should go to DSA@apus.edu. The time it takes to resolve individual complaints may vary, but students can expect an initial response, outlining next steps and timelines within 3-5 business days.
- For complaints regarding discrimination or harassment (including sexual harassment and sexual violence), please refer to the Policy against Harassment, Discrimination, and Retaliation outlined in the University's [Student Handbook](#).
- Certain other issues, known as adverse actions, cannot be addressed through the general complaint procedure. These issues include: being placed on academic probation, dismissal, sanctions, and expulsions. Students wishing to challenge an adverse action or request an exception to university policy are required to file a formal appeal. Detailed information about the appeals process can be found in the Student Handbook at http://www.apus.edu/student-handbook/rights-responsibilities/#Adverse_Actions.
- If a student is unsure about the appropriate contact for a particular concern, the student may always email studentservices@apus.edu to share the concern and the concern will be routed to the appropriate University representative.

To complete a thorough investigation, the University may interview, consult, or request information from the student making the complaint or any other individuals believed to have relevant information, including faculty, staff and other students. At the conclusion of the investigation, the University will report its findings and any proposed resolution to the student.

The findings of the University under this grievance procedure are final and are not subject to appeal. If, however, your grievance was handled under another applicable policy and procedure and that policy and procedure includes an appeal process, then you may submit an appeal under that policy and procedure.

The University will consider fairly all complaints and comments and not engage in retaliatory action against any student who has submitted such information. Any person who retaliates against any individual filing a complaint or concern will be considered to have violated this policy and will be subject to disciplinary action.

Third Party General Grievance Procedure

The University is also required to provide its students or prospective students with contact information for filing complaints with its accreditor(s) and with its State approval or licensing entity and any other relevant State official or agency that would appropriately handle a student's complaint.

State of West Virginia: The West Virginia Higher Education Policy Commission encourages students to seek first informal resolution of any concern or issue. If the issue cannot be resolved informally, the student should follow the institution's formal complaint or grievance procedure. If, after exhausting the institution's internal grievance procedures, the institution has not responded to the student's satisfaction or a satisfactory remedy has not been found, the student may contact the Commission for further investigation into the issue. Upon receipt of a complaint, the Commission may conduct an investigation or refer the issue to another agency that is authorized to address the issue. The Commission may contact institution officials to discuss a possible resolution. Instructions for filing a complaint with the West Virginia Higher Education Policy Commission can be found at <http://www.wvhepc.com/wp-content/uploads/2014/06/Student-Complaint-Process-revised-3.pdf>.

Students also are provided with information for filing complaints with other state agencies in the event that they wish to contact an agency in their state of residence. Contact information for agencies handling student complaints in all other states and the District of Columbia can be accessed through the following link: [State Agencies – Higher Education Grievances and Complaints](#).

Higher Learning Commission: The Commission has established a clear distinction between individual grievances and complaints that appear to involve broad institutional practices. Where a complaint raises issues regarding the institution's ongoing ability to meet the Criteria of Accreditation, the Commission forwards the complaint to the institution and requests a formal response. Instructions for filing a complaint with the Higher Learning Commission of the North Central Association of Colleges and Schools can be found at <http://www.ncahlc.org/Information-for-the-Public/complaints.html>.

Financial Disclosure and Leadership

The American Public University System provides summarized audited financial information to individuals who wish to determine the financial status of the University System and its institutions. The University System's fiscal year runs from January 1 - December 31 each year. Individuals who wish to review published financial information can do so by visiting the American Public Education, Inc. website at <http://www.americanpubliceducation.com/>.

- [Leadership](#)
- [Board of Trustees](#)
- [Directors](#)

Catalog Changes

This publication is not a contract between the University System and any party or parties, and should not be regarded as such. At the date of publication, reasonable effort was made to ensure that this publication and its provisions were factually accurate. However, the publication is not a complete statement of all policies, procedures, and program information. American Public University System reserves the right to make changes and additions to the information in this publication without notice. In cases where significant modification or discontinuation of a program occurs, students can expect to be contacted by a University System staff member to discuss and resolve the matter with the students' interests in mind. Addendums may be posted to the Web site.

Technology Requirements

Studying online requires that you use a computer, an internet connection, and desktop productivity software to complete your degree. To access the full functionality of our campus and classrooms, you are expected to meet or exceed the requirements below. Some programs and classes may require additional software.

Basic Requirements

- | | |
|---|--|
| <ul style="list-style-type: none">• Internet access• E-mail client and an e-mail address• Windows 7 or higher or Mac OS X 1.6 or higher• Microphone and speakers or headset• Webcam | <ul style="list-style-type: none">• Monitor capable of 1024 x768 resolution• Inkjet or laser jet printer• 2 GB of RAM• CD-ROM• 20 GB of free hard disk space |
|---|--|

Software Requirements

- | | |
|--|--|
| <ul style="list-style-type: none">• Internet Explorer 8.0 or higher or Firefox 10 or higher*• Microsoft Office 2003 or higher/Open Office/Mac Office 08 or higher• Adobe Flash Player 9 or higher• Windows Media Player 7 or higher | <ul style="list-style-type: none">• Java 1.5.0 or higher• QuickTime 7 or higher• Adobe Acrobat Reader 8 or higher• A current anti-virus software regularly updated according to the software manufacturer |
|--|--|

American Public University System has entered into an agreement with CDWG to provide students and faculty discounted software and hardware. Browse to <http://cdwg.com/apus> for products, pricing and ordering information.

*Students using adaptive technology are recommended to use one of these screen readers for use with Sakai: JAWS version 10.0 or later; Window-Eyes version 7.0 or later.

Academic Calendar

Fall 2014 Term		
October Sessions	Start	End
Fall A: 16-week courses	October 6, 2014	January 25, 2015
Fall B: 8-week courses	October 6, 2014	November 30, 2014
November Sessions	Start	End
Fall K: 16-week courses	November 3, 2014	February 22, 2015
Fall I: 8-week courses	November 3, 2014	December 28, 2014
December Sessions	Start	End
Fall C: 16-week courses	December 1, 2014	March 22, 2015
Fall D: 8-week courses	December 1, 2014	January 25, 2015
Winter 2015 Term		
January Sessions	Start	End
Winter A: 16-week courses	January 5, 2015	April 26, 2015
Winter B: 8-week courses	January 5, 2015	March 1, 2015
February Sessions	Start	End
Winter K: 16-week courses	February 2, 2015	May 24, 2015
Winter I: 8-week courses	February 2, 2015	March 29, 2015
March Sessions	Start	End
Winter C: 16-week courses	March 2, 2015	June 21, 2015
Winter D: 8-week courses	March 2, 2015	April 26, 2015
Spring 2015 Term		
April Sessions	Start	End
Spring A: 16-week courses	April 6, 2015	July 26, 2015
Spring B: 8-week courses	April 6, 2015	May 31, 2015
May Sessions	Start	End
Spring K: 16-week courses	May 4, 2015	August 23, 2015
Spring I: 8-week courses	May 4, 2015	June 28, 2015
June Sessions	Start	End
Spring C: 16 week courses	June 1, 2015	September 20, 2015
Spring D: 8-week courses	June 1, 2015	July 26, 2015
Summer 2015 Term		

July Sessions	Start	End
Summer A: 16-week courses	July 6, 2015	October 25, 2015
Summer B: 8-week courses	July 6, 2015	August 30, 2015
August Sessions	Start	End
Summer K: 16-week courses	August 3, 2015	November 22, 2015
Summer I: 8-week courses	August 3, 2015	September 27, 2015
September Sessions	Start	End
Summer C: 16-week courses	September 7, 2015	December 27, 2015
Summer D: 8-week courses	September 7, 2015	November 1, 2015

Student Profile

The University System’s undergraduate programs are open to all qualified students. The student body is comprised of busy, working adults who hold a variety of positions in the national security, public service and corporate sectors. Students typically work full-time while studying online to advance their careers from locations in all 50 states as well as from more than 100 foreign countries.

Undergraduate Admissions Criteria and Status

Undergraduate Admissions Criteria

A high school diploma, GED certificate, or international equivalent is required for admission to any APUS undergraduate program. Transfer students and international students have additional admission requirements.

Admissions Status

Students are admitted to a University System institution after an online application has been submitted and the online New Student Orientation has been completed, but their student admission record is not complete until all required admission documents are submitted. The student may login any time to view what documents may be required to complete his admission record and which have already been received in his personal Document Log.

Student Identity

Students transferring to APUS will be identified by the matching of data on the incoming transcripts or military documents. Non-Transfer students may be asked to submit a valid Social Security Card, current Driver's License, and/or proof of address to maintain their enrollment.

Equal Opportunity

The University System is committed to equal opportunity in student admissions, financial assistance, and other policies and procedures without regard to age, sex, race, color, religious belief, national origin, status as a qualified person with a disability or handicap, marital status, or sexual orientation. All interested individuals are encouraged to apply. Admissions questions should be emailed to info@apus.edu.

Course Registration

The Course Schedule is posted online and displays a schedule of the courses offered, the professors teaching the courses, and the required course materials. When registration for a particular session opens, students may register online through the student portal by selecting “Register Now” and choosing the appropriate course. Students having difficulty accessing the online registration page should contact the staff at registrar@apus.edu for assistance.

Examinations & Proctors

APUS professors use examinations as one method of evaluating student performance during a course. Examinations may be proctored or unproctored, and professors can set any exam so that a proctor is required. Proctors are individuals who ensure the integrity of the examination process by monitoring student work during the exam and verifying that the student complied with exam instructions regarding the use of outside materials, doing his/her own work, etc. If a proctor is required, the student must locate a suitable proctor who will be able to give the student access to a computer for 3-4 hours and who has an email address. Proctors must meet certain qualifications, as described in the Student Handbook section covering the Online Examination Process.

Prior to exam day, the professor will email a password to your proctor. On the day of your exam, your proctor will provide the password and monitor you as you take your final exam online.

Special Needs

APUS complies with the Americans with Disabilities Act, Section 504 of the Rehabilitation Act, and state and local requirements regarding students with disabilities. In compliance with federal and state regulations, reasonable accommodations are provided to qualified students with disabilities.

A request for accommodation is deemed reasonable if the request:

- is based on documented individual needs.
- does not compromise essential requirements of a course or program.
- does not impose a financial or administrative burden upon APUS beyond that which is deemed reasonable and customary.

A qualified student can, with or without reasonable accommodations, perform the essential functions of program or course requirements. The essential requirements of an academic course or program need not be modified to accommodate an individual with a disability.

Final responsibility for selection of the most appropriate accommodation rests with the Disability Services Accommodations Office (DSA) and is determined on an individual case-by-case basis, based on the nature of the student's disability. Students are encouraged to e-mail DSA@apus.edu to discuss potential academic accommodations and begin the review process.

It is the student's responsibility to follow the DSA process as published in the Student Handbook.

Application, Orientation and Registration Process

All new APUS students complete an online application and orientation process during which they complete the online application, review APUS policies and procedures, and declare their academic goals. The orientation provides an opportunity for students to familiarize themselves with working in the online environment.

Once the application and orientation are complete, the new student will be issued an APUS Student ID number and will create a secure password for access to the student campus.

Please note: APUS students are required to complete Orientation and declare an academic goal prior to registration. All undergraduate students must register for COLL100 as their first course unless they petitioned for and have received a waiver.

Tuition and Fees

The University System operates nearly exclusively through tuition revenue and provides affordable education. Tuition for courses taken for academic credit is \$250 per semester hour for undergraduate classes and \$325 per semester hour for graduate classes. The following is the current tuition/fee schedule:

Tuition

8- and 16-Week Sessions	3 semester hours	4 semester hours
Undergraduate Academic Credit	\$750	\$1,000
Graduate Academic Credit	\$975	N/A
Audit	\$300	\$400

Fees

Admission Fee	\$0
Registration Fee	\$0
Late Registration Fee	\$50
Transfer Credit Evaluation - United States Active Duty Military, Guard, or Reserve personnel	\$0
Transfer Credit Evaluation - All other	\$50
Technology Fee - Active Duty Military, National Guard, or U.S. Military Reservist***	\$0
Technology Fee - Courses other than ENGR and ELEN***	\$50
Technology Fee - ENGR and ELEN courses***	\$100
Average Undergraduate Course Materials (per course)	\$0
Average Graduate Course Materials (per course)	\$100
Completion Fee: Certificate	\$25
Graduate Comprehensive Exam	\$250
Graduation Completion Fee for most degrees	\$100
Transcripts (each):	
Official electronic	\$10
Official paper	\$20
Unofficial electronic	\$5

***Per Course

Withdrawal, Refund, and Extension Policy

Tuition refunds are given for courses taken for academic credit under the guidelines listed below. Students registered for a course are expected to complete all scheduled requirements (as listed in the classroom’s course syllabus) within the allotted time frame. Students experiencing difficulties that prevent them from completing their coursework on time should discuss their situation with their instructor. In extreme situations, they may wish to consult the Student Handbook to determine whether they should submit a formal request for a course extension or withdraw from the course entirely. Procedures for both actions are explained in the Student Handbook. Students who elect to submit a request for a course extension forfeit the option to withdraw from the course, but in most cases, a course extension is preferable because it allows time for students to complete the course and advance towards their academic goals. In addition, a course withdrawal will reduce the number of credit hours being taken during the semester and may have a negative impact on students' status as a full-time or part-time student, which in turn may affect eligibility for some forms of financial aid. Required forms are available in the Online Campus.

If a student decides to drop from a course, the online Drop/Withdrawal from Course form must be submitted during the first week of the course. APUS will not consider appeals for a penalty-free drop after the first week of the course has ended because of late book arrival or deployment papers that were received prior to the course start date, as it is the student's responsibility to drop the course on time.

If a student earning academic credit submits an online Drop/Withdrawal from Course form after the first week of the course, s/he will be withdrawn and will receive a grade of "W" as long as the withdrawal was requested during the allowed timeframe. A "W" grade does not carry a grade point value and has no effect on the student's cumulative APUS GPA.

Course Withdrawals may be requested after the start of the second week until the beginning of the last week of the course. Any requests to withdraw from the course after the final week has started or during an extension must be made in writing and sent to appeals@apus.edu. The date of withdrawal will be the date the request is received. Refunds are processed as follows:

- APUS refunds 100% of tuition for course drops occurring before or during Week 1 of a course taken for academic credit or as an Audit.
- After a course begins, refunds will be based on the weekly course schedule.
- Go Army Ed Students: The withdrawal date in Go Army Ed is considered by the Army to be the withdrawal date of record for refund purposes.

Please find the appropriate semester-length on the Refund Schedule to determine your refund. Students should allow 30 days for the processing of tuition refunds.

2-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	No Refund

8-Week Course -- Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	75%
During Weeks 3 and 4	50%
During Weeks 5 through 8	No Refund

16-Week Course-- Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Weeks 1 or 2	100%
During Weeks 3 and 4	75%
During Weeks 5 through 8	50%
During Weeks 9 through 16	No Refund

Financial Assistance

APUS offers several educational financing options including Federal Student Aid, grants and loans, alternative loans, and an automatic debit payment plan. Students are encouraged to begin their application process by completing their Statement of Intent Form online and entering the online Financial Aid Office at least 21 days prior to the start of the semester. Additionally, APUS is authorized to accept funds from the U.S. Department of Defense Tuition Assistance (TA) programs as well as the Veterans Administration GI Bill programs (including REAP and Vocational Rehabilitation). Students employed in the private sector should consult with their Human Resources department regarding employer-based tuition assistance programs.

Automatic Debit Plan

The University System offers an Automatic Debit Plan (ADP) to enable students to spread tuition payments over time by having them automatically charged to a credit card on a preset schedule. The amount and number of payments is proportional to the length of the course. Students in 16-week courses make four ADP payments. Students in 8-week courses make two ADP payments. To be eligible for the ADP plan, the student must be registered for credit-bearing courses. Audit students are not eligible for ADP.

ADP Schedules

16-Week ADP Schedule	
Upon Registration	1/4 tuition due
15th of Session's First Month	1/4 of tuition due (i.e., for May 5th course, payment due 5/15/XX)
15th of Session's Second Month	1/4 of tuition due (i.e., for May 5th course, payment due 6/15/XX)
15th of Session's Third Month	1/4 of tuition due (i.e., for May 5th course, payment due 7/15/XX)

8-Week ADP Schedule	
Upon Registration	1/2 tuition due
15th of Session's First Month	1/2 tuition due (i.e., for May 5th course, final 1/2 due 5/15/XX)

ADP Late Payments

If a credit card is declined, the student will be notified to immediately to contact stuaccounts@apus.edu and make the payment. A \$25 fee is charged to the student’s account. If payment is not received, the student's account is placed on “balance due hold”.

VA Benefits and GI Bill

Students who are not certain if they qualify for VA Benefits should first contact the VA Education Call Center at 888-442-4551 or go online at www.gibill.va.gov. The Veterans Administration will help to determine exactly which benefits students are eligible to receive and which form(s) they will need. The process for each benefit type can also be found at <http://www.apu.apus.edu/> After being accepted as a student, anyone using GI Bill benefits needs to complete the Application for VA Education Benefits (Form 22-1990) from the VA website, and send it to the Veterans Affairs office at APUS. Discharged veterans also will need to send a copy of their DD-214 to our administrative office. Additional questions about VA Benefits, the GI Bill, or the Top-Up program can be found on the APUS websites under Tuition and Financing and Paying for school.

Course Load and Student Status

The following table equates semester hours with student status for Alternative Loans and VA Benefits. Students who are applying for Federal Student Aid will adhere to a different enrollment status. Please see the [Financial Aid Website](#) for more information on financial assistance.

Graduate: 8-Week Courses	Semester Course Load	Student Status
	6 semester hours	Full-time
	3 semester hours	Three-quarter time
Graduate: 16-Week Courses	9 semester hours	Full-time
	6 semester hours	Three-quarter time
	3 semester hours	Half time
Undergraduate: 8-Week Courses	6 semester hours	Full-time
	3 semester hours	Half-time
Undergraduate: 16-Week Courses	12 semester hours	Full-time
	9 semester hours	Three-quarter time
	6 semester hours	Half-time
	3 semester hours	Less than Half-time

Faculty

A most distinguished and diversified faculty of over 2,200 scholars, educators, and authors combine relevant theory with real-world experience. Their academic credentials include such institutions as the University of Chicago, University of Southern California, University of Notre Dame, Stanford University, Cambridge University, and Harvard University. Many are executives in government, business, and non-profit organizations, including the United Nations, the State Department, the Department of Defense, the Department of Homeland Security, the Central Intelligence Agency, the National Security Agency, and the Federal Emergency Management Agency.

Provost

- Karan Powell, Ph.D., Education with concentration in Organization Development and Organizational Learning, George Mason University, Fairfax, VA

SVP and Associate Provost

- Gwendolyn Hall, Ph.D., National Security Policy Studies, University of Maryland, College Park, MD

SVP and Associate Provost for Academic Program Development and Outreach

- Mike Netzer, M.S., Information and Telecommunications Systems, John Hopkins University

Vice Presidents and Assistant Provost

- **VP and Assistant Provost of Assessment and Accreditation** - Jennifer Stephens Helm, Ph.D., Educational Psychology, Texas A & M University, College Station, Texas
- **VP and Assistant Provost of the Library and Academic Resources** - Hedi BenAicha, M.L.S., Library and Information Services, University of Maryland, College Park, MD
- **VP and Assistant Provost of Graduate Studies, Research, and Innovation** - Patricia Campbell, Ph.D., Korbel School of International Studies, University of Denver, Denver, CO

Registrar

- Lyn Geer, M.A., Law and Diplomacy, Fletcher School, Tufts University, Medford, M.A. and B.A., Comparative Literature, University of Illinois, Champaign, IL
- Diane Fitzgerald, M.S., Strategic Leadership, Mountain State University, Martinsburg, WV

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- **VP of Curriculum, Instructional Technology & Design** - Richard Schilke, Ed.D., Adult Continuing Education, Northern Illinois University, DeKalb, IL
- **VP of Academic Communication and Outreach** - Chris Reynolds, Ed.D., Educational Leadership, Argosy University, Sarasota, FL
- **AVP of Library Operations** - Susan Hyland, M.L.S., University of Maryland College Park, College Park, MD
- **AVP of Electronic Course Materials** - Andrea Dunn, B.A., Psychology, George Mason University, Fairfax, VA
- **AVP of Faculty Scheduling** - Brian Blodgett, Ph.D., Business Administration, Northcentral University, Prescott Valley, AZ
- **Director of Continuous Program Improvement** - Tammy Woody, Ed.D., Curriculum and Instruction, West Virginia

Deans

- **School of Arts and Humanities** - Linda Moynihan, Ph.D., English, Miami University, Oxford, OH
- **School of Business** - L. A. Chad Patrizi, Ph.D., Education/Adult Education Leadership, Touro University International, Cypress, CA
- **School of Education** - Conrad Lotze, Ph.D., Mathematics Education, American University, Washington, DC
- **School of Health Sciences** - Brian Freeland, M.S.S., Sports Management, United States Sports Academy, Daphne, AL
- **School of Science, Technology, Engineering and Math** - Dan Benjamin, MTech, Electronic Instrumentation, Kakatiya University, Warangal, AP, India
- **School of Security and Global Studies** - Mark T. Riccardi, Ph.D., Education, Colorado State University
- **Dean of Applied Research** - Elena Mastors, Ph.D., Political Science, Washington State University, Pullman, WA
- **Dean of Program Development** - Gary Berry, Ph.D., Education/Adult Education Leadership, Touro University International, Cypress, CA

Program Directors

- **Business Administration** - Kathleen Irwin, Ph.D., Organization Management, Capella University, Minneapolis, MN
- **Business Administration** - Cassandra Shaw, Ph.D., Industrial Organizational Psychology, Capella University, Minneapolis, MN
- **COLL100 and General Education** - Kimberly Jacobs, M.A., Education, The University of Texas at San Antonio
- **Criminal Justice** - Vincent Giordano, Ph.D., Criminal Justice, Capella University, Minneapolis, MN
- **Cybersecurity** - Clay Wilson, Ph.D., Public Policy, George Mason University, Fairfax, VA
- **Defense Management** - William Hedgepeth, Ph.D., Engineering Management, Old Dominion University, Middletown, VA
- **Educational Leadership** - Jose Rodriguez, Ed.D. Educational Leadership and Policy, University of Washington
- **Electrical Engineering** - Colin Doyle, Ph.D., Electrical Engineering, Southern Methodist University, Dallas, TX
- **Environmental Science** - Carol Pollio, Ph.D., Environmental Science and Public Policy, George Mason University, Fairfax, VA
- **Finance & Accounting** - TBD
- **Graduate Information Technology** - Novadean Watson-Stone, D.B.A., Information Systems, Argosy University, Sarasota, FL
- **History** - Richard Hines, Ph.D., History, Washington State University, Spokane, WA
- **Homeland Security** - Mark Riccardi, Ph.D. Education and Human Resources , Colorado State University
- **Hospitality Management** - Sheri Hernandez, M.B.A., Lehigh University, Bethlehem, PA
- **Human Development and Family Studies** - Nancy Heath, Ph.D., Child Development and Family Studies, Purdue University, Richmond, IN
- **Information Technology Management** - Irena Kageorgis , M.S., Computer Information Systems, University of Phoenix, Tempe, AZ
- **Intelligence Studies** - Nicole Drumhiller, Ph.D. Political Science, Washington State University
- **International Relations** - Katherine Brannum, Ph.D., Political Science, University of Massachusetts Amherst, Amherst, MA
- **Legal Studies & Emergency and Disaster Management** - Terri Wilkin, J.D., Law, University of Maryland – Baltimore, Baltimore, MD
- **Literature** - Carol Froisy, M.A., English, National University
- **Management** - Marie Harper, Ph.D., Business, Capella University, Minneapolis, MN
- **Marketing & Economics** - Thomas Schaefer, D.B.A., Management, Argosy University, Sarasota, FL
- **Mathematics** - William Owen, M.Ed., Adult and Higher Education, University of Oklahoma, Norman, OK
- **National Security Studies and Military Studies** - Ed Hagerty, Ph.D., History, Temple University, Philadelphia, PA
- **Nursing** - Elaine Keavney, M.S., Nursing Education, Saint Joseph's College, Rensselaer, IN
- **Philosophy, Religion, Humanities & Foreign Languages** - Everett Corum, Ph.D., Theatre and Media Arts, University of Kansas, Lawrence, KS
- **Political Science** - Stephen Schwalbe, Ph.D., Public Administration and Public Policy, Auburn University, Auburn AL
- **Psychology** - Carol Passman, Ph.D., Counseling Psychology, University of Akron, Akron, OH
- **Public Administration and Security Management** - Kristen Obst, Ph.D., Urban Affairs and Public Policy, University

of Delaware, Newark, DE

- **Public Health** - Joanne Flowers, Ph.D., Community Health Science, The University of Texas Health Science Center
- **Retail Management & Real Estate** - Kevin Forehand, M.B.A., Thomas University, Thomasville, GA
- **School Counseling** - Kimberlee Ratliff, Ed.D., Counseling Psychology, Argosy University, Sarasota, FL
- **Science** - Daniel Welsch, Ph.D., Environmental Sciences, University of Virginia, Charlottesville, VA
- **Sociology** - Victoria Stay, M.A., Sociology, Arizona State University, Tempe, AZ
- **Space Studies** - Brian Anderson, Ph.D., Engineering Management, The University of Alabama, Tuscaloosa, AL
- **Sports Sciences and Sports Management** - Brian Freeland, M.S.S., Sport Management, United States Sports Academy, Daphne, AL
- **Teaching** - Kathleen Tate, Ph.D., Elementary Education, Florida State University, Tallahassee, FL
- **Transportation and Logistics Management & Reverse Logistics Management** - TBD

Faculty Directors

- **Arts and Humanities** - Jon Carleton, Ed.D., Higher Education Administration, George Washington University, Washington, DC
- **Arts and Humanities** - William Overton, Ph.D., Education, University of Idaho, Moscow, ID
- **Arts and Humanities** - Robert Owens, Ph.D., Regent University, Virginia Beach, VA
- **Arts and Humanities** - Nancy Wack, Ph.D., Education Leadership - Higher Education, TUI University
- **Business** - Jill Fuson, Ph.D., Education, Postsecondary and Adult Education, Capella University, Minneapolis, MN
- **Business** - Suzanne Minarcine, Ph.D., Leadership, Capella University, Minneapolis, MN
- **College 100** - Linda Algozzini, M.S.Ed., Mental Retardation, University of Central Missouri
- **Education** - Bethanie Hansen, D.M.A., Music, Boston University
- **Health Sciences** - Grady Batchelor, D.Mgt., Management, Colorado Technical University, Colorado Springs, CO
- **Science, Technology, and Engineering and Math** - Francesca Catalano, Ph.D., Molecular Biology, Loyola University Chicago, IL
- **Science, Technology, Engineering and Math** - Daniela Messina, D.C., Chiropractic, New York Chiropractic College, Seneca Falls, NY
- **Security and Global Studies** - Mark Bond, M.S., Criminal Justice, Southwest University, Kenner, LA
- **Security and Global Studies** - Kelli Frakes, Ph.D., Public Policy and Administration, Walden University
- **Security and Global Studies** - Michelle Watts, M.A., Latin American Studies, University of Arizona, Tucson, AZ

Librarians

- Mustafa Abdelwahid, M.L.I.S., University of Wisconsin - Milwaukee
- Christy Cechman, M.L.S., Valdosta State University; D.C., Texas Chiropractic College
- Priscilla Coulter, M.S., Library Science, University of North Texas; M.S., Biology, Stephen F. Austin State University
- Linda Cranston, M.L.S., Drexel University; M.A.; Geography, University of Rhode Island
- Susan Fingerman, M.S.L.S., Simmons College
- Mary Gano, M.S.L.S., The Catholic University of America; M.B.A., Hood College
- Neville Grow, M.L.S., The University of North Carolina at Chapel Hill; M.B.A., University of Liverpool
- Emily Harrell, M.S., Information Studies, Florida State University; B.S., Nursing, Florida State University
- Susan Hyland, M.L.S., University of Maryland
- Judith Jablonski, Ph.D. Library and Information Systems, University of Wisconsin, Madison; M.S.L.S., Catholic University of America; M.A., English, University of Illinois, Urbana
- Michael Montalbano, M.L.I.S., Rutgers; M.A., History, William Paterson University
- Jeanette Moyer, M.L.I.S., University of Pittsburgh
- Coleen Neary, M.L.S., University of Maryland
- Carole Nowicke, Ph.D. Library & Information Science, Indiana University-Bloomington; M.L.S., University of Maryland
- Mary Prentice, Ph.D. Political Science, University of Florida; M.S.L.S., Clarion University; M.A., Political Science, University of Florida
- Susan Sartory, M.L.S., University of Maryland
- A. Marissa Smith, M.L.S., San Jose State University
- Christy Stevens, M.A., Library & Information Science, The University of Iowa; M.A., English, University of California Irvine; M.A., Women's Studies, San Diego State University
- Bradley Wiles, M.A., Library and Information Studies, University of Wisconsin; M.A., History, Western Illinois University

First Name	Last Name	Degree Type	School Name
Susan	Abagnale*	M.S.	Old Dominion University
Ahmed	Abaza	M.E.S.	Loyola College - Maryland
Razak	Abedalla*	M.A.	University of Al-Qadisiya
Wendy	Achilles*	Ph.D.	Virginia Commonwealth University
George	Ackerman*	Ph.D.	Capella University
John	Ackerman*	Ph.D.	The University of Alabama
Albert	Acuna*	M.A.	San Francisco State University
Carol Sue	Adams*	D.C.	Palmer College of Chiropractic
Jon	Adams*	M.S.	Lawrence Technological University
Sharie	Adamson	M.S.	California State University - Fullerton
Elizabeth	Adelizzi*	M.F.S.	National University
Medani	Adhikari	M.S.	Strayer University
Grant	Adkins*	M.A.	American Military University
LaTrese	Adkins*	Ph.D.	Michigan State University
Felix	Agalaba*	M.S.	Nova Southeastern University
Seli	Agbolosu-Amison*	Ph.D.	University of Virginia
Yvette	Aguiar*	Ph.D.	Northcentral University
Minna	Ahlmann*	M.A.	The George Washington University
Nichole	Ahlstrom*	M.S.	University of Phoenix
Sayeed	Ahmed*	Ph.D.	Northern Arizona University
Shawn	Aker	M.S.	Touro University International
Daisuke	Akiba*	Ph.D.	Brown University
Marco	Albarran*	M.B.A.	Lynn University
Edward	Albin*	Ph.D.	The University of Georgia
Dianne	Aldrich*	M.S.	University of Florida
Amy	Alexander*	M.S.W.	Grand Valley State University
Ginette	Aley*	Ph.D.	Iowa State University
Dawn	Aliberti*	M.A.	Cleveland State University
Matthew	Allen*	J.D.	Tulane University
Linda	Allen*	Ph.D.	Indiana University - Bloomington
Laura	Allison*	M.S.	University of Alabama - Birmingham

Rinyka	Allison*	Ph.D.	Walden University
Barbara	Alston*	D.B.A.	Nova Southeastern University
Tanisha	Alston*	M.A.	Webster University
Clifford	Altizer*	M.S.	Air Force Institute of Technology
Dennis	Alvarez*	M.S.	American Military University
Michael	Amaral*	M.S.	University of Washington
Robert	Amato*	M.S.S.	Air University
Augustine	Amenyah*	Ed.D.	The University of Georgia
Michael	Ammons*	Ed.D.	Liberty University
Lilia	Anand	M.A.	University of Oregon
Jason	Anderson	M.S.	University of Washington
Quiana	Anderson*	M.B.A.	University of Phoenix
Michael	Anderson*	Ph.D.	Southern Methodist University
David	Andersson*	Ed.D.	Northcentral University
Lane	Andrew*	Ph.D.	University of Northern Colorado
Natasha	Anthony*	Ph.D.	SUNY at Albany
Sohail	Anwar*	Ph.D.	The Pennsylvania State University
Emily	Archer*	M.A.	Florida Atlantic University
Charles	Archer*	Ph.D.	University of York
Donna	Armes-Thomas	M.B.A.	Davenport University
Antonia	Armstrong*	M.B.A.	Regis University
Rachel	Armstrong*	M.L.S.	University of Buffalo
Derek	Arndt*	M.S.	The University of Oklahoma
Martin	Arredondo*	M. Ed.	American InterContinental University
Edward	Arroyo*	Ph.D.	The City University of New York
Letitia	Arruda	M.S.	Columbia University in The City of New York
Robert	Arruda*	M.S.	Long Island University
Melanie	Arthur*	Ph.D.	Johns Hopkins University
Melissa	Artstein-McNassar*	M.A.	Washington State University
Karina	Ash*	M.A.	San Francisco State University
Linda Mae	Ashar*	J.D.	The University of Akron
Amy	Ashmore	Ph.D.	The University of Texas - Austin
Rasheedah	Askew*	M.A.	Wayne State University
Antonia	Asterino-Starcher*	J.D.	Capital University
David	Auchter*	Ph.D.	University of Houston
Maureen	Augustin*	M.S.Ed.	Dominican University

Senna	Austin	J.D.	George Mason University
Cheryl	Avant*	Ph.D.	University of Missouri - Columbia
Eson	Avent*	M.F.A.	Emerson College
Ryan	Averbeck*	Ph.D.	Northcentral University
Stephanie	Averill*	Ph.D.	University of New Hampshire
Jacqueline	Awadzi-Calloway*	Ph.D.	Capella University
Mahmood	Awan*	Ph.D.	Northcentral University
Brendan	Ayers*	M.S.	Kettering University
Sarah	Azmeh*	M.A.	University of Michigan
Danielle	Babb	Ph.D.	Capella University
James	Babcock*	M.S.	Nova Southeastern University
Annessa	Babic*	Ph.D.	SUNY at Stony Brook
Damon	Baca*	M.B.A.	Grand Canyon University
Stephen	Bach	Ph.D.	University of California - Irvine
Dennis	Backherms*	M.S.	University of Phoenix
Stephen	Bacon	M.A.	The University of Alabama
Carrie	Badeaux*	M.A.	Emerson College
Janet	Bader	Ph.D.	University of Texas at El Paso
Jodie	Baeyens	M.F.A.	National University
Timothy	Bagwell	Ph.D.	Saint Louis University
Jason	Bagwell*	M.Ed.	Indiana Wesleyan University
Julius	Bailey*	Ph.D.	The University of North Carolina at Chapel Hill
Michelle	Bailey*	Ph.D.	University of Alabama
Joseph	Baird*	J.D.	Saint Thomas University School of Law
Karen	Baker*	M.A.	Savannah College of Art and Design
William	Baker*	Ph.D.	The University of Alabama
Katharine	Ball Ricks*	Ph.D.	University of Missouri - Columbia
Daniel	Baracskay*	Ph.D.	University of Cincinnati
Donald	Baribault*	M.A.	Gonzaga University
Kris	Barnekow*	Ph.D.	University of Wisconsin - Madison
William	Barnes*	J.D.	Baylor University
Laurie	Barnes*	Ph.D.	Capella University
Rachel	Barnes*	Ph.D.	University of Central Florida
Christian	Barnes-Young*	M.S.	Francis Marion University
Leslie	Barnes-Young*	Ph.D.	University of Akron
Shanna	Barnett*	D.P.H.	The University of Texas Health Science Center at Houston

James	Barney	J.D.	New York Law School
Bobby	Barrett	Ed.D.	The George Washington University
Douglas	Barron*	M.S.	University of Illinois at Urbana - Champaign
Marguerite	Barta*	Ph.D.	Capella University
Ray	Bartholomew	M.B.A.	Strayer University
Michelle	Bartlett*	Ph.D.	Clemson University
Christi	Bartman	Ph.D.	Bowling Green State University
Patrick	Barton*	M.S.I.	American Military University
Daneene	Barton*	Ph.D.	Barry University
Jill	Barton*	Ph.D.	Nova Southeastern University
Donna	Barton*	Ph.D.	Walden University
Deborah	Bauer*	M.A.	University of Central Florida
Ronald	Baugh*	M.A.	Webster University
Curtis	Bauman*	M.A.	Lehigh University
Marissa	Baxter*	M.S.	Southern Illinois University - Carbondale
Bruce	Bayley*	Ph.D.	Utah State University
Linda	Beach	M.B.P.A.	Southeastern University
Chris	Beam*	Ph.D.	University of Illinois at Urbana - Champaign
Jennifer	Beaman*	Ph.D.	University of Phoenix
Erik	Bean	Ed.D.	University of Phoenix
Melinda	Beaumont*	M.Ed.	Harvard University
Sylvia	Beaver*	J.D.	West Virginia University
David	Becker	M.A.	The State University of New York College at Brockport
Alison	Becker*	J.D.	Northern Kentucky University Salmon P Chase College of Law
John	Becker*	Ph.D.	University of Denver
Robert	Behan*	M.P.A.	Marist College
Jennifer	Behan*	M.S.	University of North Carolina at Charlotte
Christopher	Behne*	M.Ed.	Southern Arkansas University - Magnolia
Yana	Belan*	M.A.	Bowling Green State University
Iris	Belen*	M.A.	Antioch University
Bryan	Bell*	M.B.A.	University of Maryland University College
Andrew	Bell*	M.P.A.	Troy University
Mohamed	Ben Yahya*	M.B.A.	National University
Twanda	Bendolph-Grey*	M.S.W.	Southern Connecticut State University
Paul	Benedict*	M.B.A.	The Ohio State University
Stewart	Bennett*	Ph.D.	University of Maine

Yolanda	Benoit	M.Ed.	National-Louis University
Mary	Bentley*	J.D.	Faulkner University
Duane	Benton	D.Ed.	Nova Southeastern University
Wesley	Benton*	D.C.	Logan College of Chiropractic
Nicholas	Bergan	M.S.	Florida State University
Jose	Bernier*	Ed.D.	University of Florida
Debra	Berrett*	M.S.	Capella University
Katie	Berryhill	M.S.	University of North Dakota
Michael	Beshears	M.S.	Indiana State University
Michelle	Beshears	M.S.	Indiana State University
Kimberly	Bessolo	M.Ed.	Wichita State University
Marybeth	Bethel*	M.S.	University of Kansas
Charles	Beverley*	Ph.D.	University of South Carolina
Richard	Bieker*	Ph.D.	University of Kentucky
Eric	Bienstock*	Ph.D.	New York University
Robert	Bier*	M.S.I.	American Military University
Franziska	Bieri*	Ph.D.	Emory University
Samantha	Bietsch	D.B.A.	Argosy University - Sarasota
Dondra	Biller*	Ph.D.	University of California - Santa Barbara
Elodie	Billionniere*	Ph.D.	Arizona State University
Charles	Bindig*	Ph.D.	Nova Southeastern University
Zachary	Binkley*	M.S.	California University of Pennsylvania
James	Binns*	Ph.D.	University of Northern Colorado
Kurt	Binversie*	M.S.	National Intelligence University
Shuza	Binzaid*	Ph.D.	Prairie View A & M University
Dmitry	Bizyaev*	M.S.	M.V. Lomonosov Moscow State University
Edward	Bjornson*	M.S.	Farleigh Dickinson University
Nikita	Black*	M.S.	The George Washington University
Jason	Black*	Ph.D.	Florida State University
Karine	Blackett	D.Ed.	The University of South Dakota
Tiffany	Blackmon	Ph.D.	Purdue University
Stephane	Blais*	M.B.A.	Amberton University
Miles	Blanton*	Ph.D.	The University of North Carolina at Chapel Hill
Mendi	Blue*	J.D.	Harvard Law School
David	Bockoven*	Ph.D.	University of Oregon
Detra	Bodrick*	M.B.A.	University of Maryland University College

Craig	Bogar*	Ed.D.	United States Sports Academy
Shelby	Bohl*	Ph.D.	Walden University
Cortney	Bolden*	Ph.D.	North Carolina A & T State University
Peter	Bonk*	M.B.A.	Northcentral University
Fredric	Boockfor*	Ph.D.	Clemson University
Ali	Boolani*	Ph.D.	Oklahoma State University
Tykeysha	Boone*	M.P.H.	The University of Alabama - Birmingham
Ronald	Booth*	Ph.D.	Nova Southeastern University
Cassandra	Bosier*	Ph.D.	Capella University
Jacqueline	Boswell*	J.D.	Loyola University - New Orleans
David	Bosworth*	M.S.	University of Colorado
John	Bottom*	M.Ed.	University of Central Florida
Frederic	Bouchet	Ph.D.	Virginia Tech
Sheila	Bouie*	M.Ed.	University of Illinois at Urbana - Champaign
Jennifer	Bourgeois*	M.S.	Sam Houston State University
Jodi	Bouvin	M.B.A.	American InterContinental University
David	Bouvin	Ph.D.	Argosy University - Sarasota
Lawrence	Bowdish*	Ph.D.	The Ohio State University
Alan	Bowen*	M.S.	University of Phoenix
Beverly	Bowen*	Ph.D.	Capella University
Amanda	Bowers*	M.A.	University of Nevada - Las Vegas
Mark	Bowles	Ph.D.	Case Western Reserve University
Robert	Bowman*	M.A.	University of Maryland
Diana	Boyd*	Ph.D.	University of Colorado
Corey	Boyer	M.S.	Dakota State University
Scott	Boykin*	J.D.	The University of Alabama
Catherine	Boyle*	M.A.	Wichita State University
Jackie	Bozeman*	M.S.	Tiffin University
Constance	Bracewell*	M.A.	Appalachian State University
Nicholas	Bradley*	D.Mgt.	Colorado Technical University
Carl	Bradshaw	M.M.A.S.	U . S. Army Command and General Staff College
Kristopher	Bradshaw*	M.B.A.	University of Phoenix
Loni	Bramson	Ph.D.	Universite Catholique de Louvain
Eleanor	Branch*	Ph.D.	University of California - Berkeley
Christina	Branham*	Ph.D.	Texas Woman's University
Kevin	Brannon*	Lp.D.	Northeastern University

David	Brashinger	M.S.	Loyola University - Chicago
Marco	Bravo*	M.A.	The University of Arizona
Erin	Brescia	M.L.S.	Fort Hays State University
George	Brice*	M.B.A.	University of Miami
Bradley	Bridges*	M.B.A.	Wake Forest University
Anne	Bright*	J.D.	Syracuse University
James	Brinson	M.S.	Indiana State University
Kasie	Brinson	M.S.	Indiana State University
Charles	Britt*	M.S.	New Mexico State University
David	Brommer*	Ph.D.	Arizona State University
Nathan	Brooks*	J.D.	The George Washington University
Kevin	Brothers*	J.D.	American University
Timothy	Brown*	M.B.A.	The George Washington University
Melva	Brown*	M.B.A.	University of Phoenix
Dwyne	Brown*	M.S.	Bellevue University
Mistyjean	Brown*	M.S.	City University of Seattle
Yashica	Brown*	M.S.	North Carolina A & T State University
Scott	Brown*	M.S.	University of Management and Technology
Darkeim	Brown*	M.S.I.	National Defense Intelligence College
James	Brown*	Ph.D.	Rutgers, The State University of New Jersey and the University of Medicine
Kimberly	Brown*	Ph.D.	University of South Carolina
Scott	Brown*	Ph.D.	University of South Carolina
Rockell	Brown*	Ph.D.	Wayne State University
Lisa	Browning*	M.S.	Shippensburg University of Pennsylvania
Kathryn	Broyles	Ph.D.	Indiana University of Pennsylvania
Lisa	Bruno	J.D.	Massachusetts School of Law
Courtney	Bruno*	M.S.	University of Phoenix
Corey	Bruns*	Ph.D.	University of Colorado
Daniel	Brush*	M.S.	Weber State University
Diane	Bryan*	Ph.D.	Walden University
Wendi	Bryant	M.A.	Louisiana Tech University
Marisa	Bryant*	Ph.D.	Walden University
Patricia	Buchanan*	Ph.D.	Indiana University
Jennifer	Bucholtz*	M.F.S.	National University
Christopher	Buckler*	J.D.	Marquette University
Stanley	Budhram*	D.Sc.	Robert Morris University

Teresa	Buehler-Rappold	M.B.A.	University of Phoenix
Vicky	Bufano*	J.D.	Gonzaga University
Peggy	Buffington*	M.A.	The University of Louisiana at Monroe
Eddie	Bulls*	M.A.	Norwich University
Edwin	Bundy*	Ph.D.	Capella University
James	Burch*	D.M.	Colorado Technical University
Annette	Burden*	Ph.D.	Union Institute & University
Robert	Burger*	M.A.	Bowling Green State University
Cory	Burkarth*	M.M.C.	University of South Carolina
Barbara	Burke*	M.S.S.	United States Army War College
Amy	Burkman*	Ed.D.	Texas Christian University
Julia	Burlette*	M.A.	Louisiana State University and A & M College
Brian	Burnett*	M.S.	Utica College
David	Burns*	J.D.	Vermont Law School
Charles	Burrage*	Ed.D.	Wilmington University
Kimberly	Burton*	M.S.	Capitol College
Michelle	Burton*	M.S.	University of North Texas
Lisa	Burton*	Ph.D.	Capella University
Shannon	Burton*	Ph.D.	Capella University
Deborah	Busby*	M.A.	Northern Arizona University
Robert	Busek	M.A.	The Catholic University of America
Reba	Businsky*	M.S.	Wilmington University
Michael	Bussell*	M.P.A.	Golden Gate University
Timothy	Butchart*	M.Ed.	University of Missouri - St. Louis
Stephen	Butcher*	Ph.D.	Kent State University
Rebecca	Butler*	M.A.	Miami University
William	Butler*	M.S.S.	United States Army War College
Leslie	Button*	M.S.	Florida State University
Emilia	Butu*	M.B.A.	Southeastern University
Lauri	Byerley	Ph.D.	University of California - Los Angeles
Stephanie	Caggiano*	M.S.	College of William and Mary
Maureen	Cahill*	Ed.D.	Nova Southeastern University
Nicole	Cain	M.S.	Saint Leo University
Nicholas	Cain*	M.S.	Florida Institute of Technology
Heather	Caldwell*	M.A.	American University
John	Callaghan*	Ph.D.	University of Cincinnati

Kelli	Callahan*	M.F.S.	National University
Daniel	Campagna*	Ph.D.	University of Georgia
Charles	Campisi*	Ph.D.	University of Minnesota
Sarah	Canfield Fuller*	Ph.D.	Indiana University
Jason	Cantone*	J.D.	University of Nebraska - Lincoln
Tammy	Capaldo*	M.S.	Walden University
Theresa	Capra*	Ph.D.	Concordia University - Chicago
Jennifer	Carazo*	M.A.	University of San Diego
Brian	Carey	M.A.	American Military University
Jay	Carlin*	J.D.	Western State University
Michelle	Carlin*	M.A.	University of Hartford
Keith	Carlson*	M.A.	The University of Alabama
Bryan	Carlson*	M.S.	Washington State University
Sharon	Carmack*	M.A.	National University
James	Carmichael*	M.E.	University of Louisville
Carol	Carpenter*	Ph.D.	Capella University
Stanley	Carpenter*	Ph.D.	Florida State University
Andrew	Carpenter*	Ph.D.	University of California - Berkeley
Roger	Carpenter*	Ph.D.	University of California - Riverside
Lynn	Carpenter*	Ph.D.	University of Illinois at Urbana
Marnie	Carroll	Ph.D.	University of Colorado
Robert	Carter	Ph.D.	University of North Texas Health Center Science
Jewel	Carter-McCummings*	D.H.Sc.	Nova Southeastern University
Rodney	Carveth*	Ph.D.	University of Massachusetts - Amherst
George	Case	M.B.A.	Case Western Reserve University
John	Casey*	M.S.H.S.	Touro University International
Peter	Cash*	Ph.D.	University of Memphis
Derrah	Cassidy*	M.Ed.	Francis Marion University
Jennifer	Castel*	M.A.	American University
Nestor	Castellanos	M.S.	Nova Southeastern University
Anna	Cates*	Ph.D.	Indiana State University
Peter	Catina*	Ph.D.	University of Maryland - College Park
Martin	Catino*	Ph.D.	University of Southern Mississippi
Larry	Causby*	M.S.	Jacksonville State University
Monique	Cavender*	M.S.	Capella University
Nick	Ceh*	Ph.D.	University of Illinois at Chicago

Nissa	Chadwick *	M.A.	University of North Colorado
Shakeisha	Chambers	Ph.D.	Capella University
Alli	Chambers *	M.A.	Temple University
Michael	Chandler *	M.S.	National Defense University
May	Chang	M.A.	University of Wisconsin - Oshkosh
Alan	Chant *	Ph.D.	University of Portsmouth
Michael	Chaplin *	J.D.	University of Notre Dame
John	Chapman *	M.A.	University of Southern California
John	Chappo *	Ph.D.	University of Southern Mississippi
Nikki	Charles	M.A.	Hood College
George	Charles *	D.B.A.	Argosy University
Carolyn	Charron *	Ed.D.	Teachers College Columbia University
Michael	Charter	D.P.A.	Valdosta State University
Odessa	Chavous *	M.A.	University of Colorado
Adnan	Chawdhry *	D.Sc.	Robert Morris University
Scott	Cheatham *	D.P.T.	Chapman University
Kimberly	Cheiken	J.D.	University of Pennsylvania
Ursula	Chesney-Grady *	M.D.	F. Edward Hebert School of Medicine of the Uniformed Service
Christine	Chin Choy *	Ph.D.	Stevens Institute of Technology
Rachel	Christian Cain	Ph.D.	The University of Alabama
Shearin	Christiansen	M.S.	Capella University
Stanley	Chu *	D.B.A.	Argosy University
Brent	Chyna *	M.S.	Loyola University - Chicago
Alfred	Cicere	M.Ed.	Towson University
Christopher	Cicere *	M.A.	Webster University
Shannon	Cichocki *	M.B.A.	Webster University
Karen	Cieslewicz	M.D.	Ross University
Leda	Ciraolo *	Ph.D.	University of California - Berkeley
John	Clark	M. Div.	Concordia Seminary
Len	Clark *	D.P.A.	University of Baltimore
Kadriyya	Clark *	D.P.N.	University of Maryland, Baltimore County
Lisa	Clark *	M.A.	Union Institute & University
Elizabeth	Clark *	M.S.	Palm Beach Atlantic University
Amelia	Clark *	M.S.	University of Oxford
John	Clark *	Ph.D.	The University of Alabama
Vanessa	Claus *	Ph.D.	Texas A & M University

Walter	Clements*	M.A.	Webster University
Patrick	Cleveland*	Ph.D.	Regent University
James	Cliber*	M.A.	University of Nebraska - Lincoln
John	Coale*	M.S.	Joint Military Intelligence College
Jeradi	Cohen*	Ed.D.	University of Virginia
Michelle	Cohen*	M.A.	University of Maryland - College Park
Dana	Colbert*	M.H.A.	University of Southern California
Travis	Coldwell*	Ph.D.	University of Maryland University College
Rebecca	Cole*	M.A.	Webster University
Jonathan	Cole*	M.S.	University of Maryland, Baltimore County
Leslie	Colegrove	M.B.A.	Pepperdine University
Karen	Collier*	Ed.D.	Georgia Southern University
Matthew	Collins	Ph.D.	Virginia Tech
Susan	Collins*	Ed.D.	University of Phoenix
Pamela	Collins*	M.A.	Fayetteville State University
Valerie	Colston	M.A.	San Diego State University
Lamont	Colucci*	Ph.D.	University of London
Wendy	Conder*	M.A.	University of Phoenix
Bryce	Condit*	M.A.	Wake Forest University
Allan	Conkey	Ph.D.	Capella University
Christopher	Conley*	M.S.	Florida State University
Alistair	Connor*	M.Ed.	Francis Marion University
Xenia	Conquy*	M.S.	University of Idaho
Walter	Conrad*	D.B.A.	Phoenix University
Karin	Conradson	M.B.A.	Regis University
Toni	Conroy	M.P.A.	The Evergreen State College
Elizabeth	Cook	M.S.	Troy University
Craig	Cook*	M.A.	Roosevelt University
Jillian	Cook*	M.B.A.	Mount Saint Mary College
Jeffery	Cook*	Ph.D.	West Virginia University
Steven	Cooke	M.B.A.	Keller Graduate School of Management
Paul	Cooke	M.S.I.	American Military University
Christine	Cooke*	Ph.D.	Memphis State University
Mary	Cooper	Ph.D.	Walden University
Sjanna	Coriarty*	D.Ed.	Argosy University
Georgina	Cornwall*	Ph.D.	University of Colorado

Kay	Corriere	M.S.	University of Southern Mississippi
Heather	Corriveau*	M.S.	Walden University
Gianluca	Corsi	Ph.D.	Northcentral University
Michelle	Corum*	M.S.	Central Michigan University
Angela	Costanzo*	M.S.	University of Washington
Sandra	Coswatte*	M.A.	West Virginia University
Arthur	Coumbe*	Ph.D.	Duke University
Linda	Council*	M.B.A.	Baker College
Bari	Courts*	Ph.D.	Capella University
Tonja	Cox*	M.A.	Missouri State University
Janet	Cox*	Ph.D.	Capella University
Daniel	Cox*	Ph.D.	University of Nebraska - Lincoln
Tracia	Craig	Ed.S.	The University of Idaho
Ann	Cramer	Ph.D.	University of Chicago
Jennifer	Cramer	Ph.D.	University of Wisconsin - Milwaukee
Angela	Cranon-Charles*	M.A.	California State University - Long Beach
Gina	Crawford	M.A.	The University of Alabama
James	Crawford*	M. Div.	Eden Theological Seminary
Linda	Crawford*	Ph.D.	University of Minnesota
Amanda	Cresswell*	M.S.	University of Phoenix
Raheen	Crippen*	M.S.	Texas A & M University - Texarkana
Thomas	Crittenden*	M.S.	Troy University
Gregory	Cronce	M.B.A.	University of Phoenix
Elizabeth	Crosier*	J.D.	University of Richmond
Dane	Crossley*	Ph.D.	University of North Texas
Laura	Culbertson	Ph.D.	University of Michigan
Dean	Culpepper*	Ph.D.	University of Houston
John	Cumiskey	M.F.A.	National University
Jodie	Cummings	M.S.	The University of Southern Mississippi
Marty	Cummings*	Ed.D.	Argosy University - Sarasota
Amy	Cuneo*	M.S.	California State University - Long Beach
Amy	Cuneo*	Ph.D.	Capella University
Tonya	Curry	J.D.	Howard University
Michelle	Curtain*	Ed.D.	Indiana University - Bloomington
Pamela	Curtin*	M.S.	The University of Wisconsin - Milwaukee
Kimberly	Curtis*	J.D.	American University

Roger	Cusick*	Ph.D.	University at Albany - SUNY
Alessandra	Cusimano*	M.A.	University of New Orleans
Christopher	Cussat*	M.A.	Duquesne University
Randall	Cuthbert	Ph.D.	Saybrook Graduate School and Research Center
Christina	Czajkoski*	Ph.D.	University of Pittsburgh
Gregory	Dahle*	Ph.D.	Rutgers, The State University of New Jersey
Jennifer	Dale*	M.S.	Northern Illinois University
Elizabeth	D'Andrea*	Sc.D.	The George Washington University
Darrell	Dantzler*	Ph.D.	Capella University
Harry	David*	Ph.D.	Claremont Graduate University
Germany	Davis	M.A.	The University of West Alabama
Valerie	Davis	Ph.D.	Northcentral University
Dexter	Davis*	Ed.D.	United States Sports Academy
Kathleen	Davis*	M.A.	Eastern Washington University
Tiffani	Davis*	M.A.	Southern University and A & M College
Markeysha	Davis*	M.A.	University of Massachusetts - Amherst
Michelle	Davis*	M.A.	University of Phoenix
Christopher	Davis*	M.S.	Eastern Kentucky University
Jenelle	Davis*	M.S.	The George Washington University
Willie	Davis*	M.S.	Troy University
Benjamin	Davis*	Ph.D.	Northcentral University
Michael	Davis*	Ph.D.	University of Maryland - College Park
James	Davis*	Ph.D.	Walden University
Robert	Dawkins	D.Ed.	Nova Southeastern University
Herman	Dawson*	J.D.	Howard University
Sarah	Deacon*	M.S.	West Virginia University
Melvin	Deaile	Ph.D.	University of North Carolina at Chapel Hill
Morgan	Deane*	M.A.	Norwich University
David	DeBoer*	M.Mgt.	DeVry University
Amy	Decker	M.A.	George Mason University
Christopher	DeClerk*	D.Mgt.	University of Phoenix
Renee	Decter*	M.A.	California State University - Dominguez
Patrick	Deely*	M.B.A.	Kansas State University
Chris	Deeter*	Ph.D.	University of Nebraska - Lincoln
Frank	DeFelice*	D.Ed.	Nova Southeastern University
Matthew	Degn	M.A.	American Military University

Jason	DeJarnett*	M.S.	University of Central Texas
Taisha	Delamar*	M.S.	Georgia Institute of Technology
Robert	Deller*	Ph.D.	American University
Jason	Dellwo*	M.L.S.	Fort Hays State University
David	DeLong*	M.S.	Lehigh University
Paul	DePo*	M.Ed.	Cabrini College
Audrey	Denton*	A.L.M.	Baker University
Barry	Denton*	M.A.	American Public University
Tiffany	Depriter	D.Ed.	Morgan State University
Mary	Dereshiwsky*	Ph.D.	University of Massachusetts - Amherst
Aaron	Deris*	Ph.D.	University of New Orleans
Tracy	Derks	M.A.	Sam Houston State University
Enver	Dersan*	Ph.D.	Bogazici University
Kenneth	Desforges*	M.S.	Norwich University
Susan	Desverreaux	M.Ed.	Towson University
Robert	Desverreaux*	Ph.D.	University of Maryland, Baltimore County
Patrick	Dever*	M.S.	Johns Hopkins University
Lori	Dewald*	Ed.D.	The University of Tennessee - Knoxville
Stacie	Deyglio*	Ph.D.	University of Bridgeport
Arthur	Deyo*	M.A.	Oklahoma State University
Viviana	Diaz*	M.A.	Rice University
Daniel	Diaz*	Ph.D.	University of California
Lawrence	Dietz*	J.D.	Suffolk University Law School
Jessica	Digh*	M.A.	The University of North Carolina
Benjamin	Dille*	J.D.	University of Minnesota
Erik	Dillman*	Ph.D.	Saint Louis University
Dawn	DiMarzo*	Ed.D.	Nova Southeastern University
Donna	DiMatteo-Gibson*	Ph.D.	Alliant International University
Frederick	Dimichele*	J.D.	Indiana University
Richard	Dinneen*	Ed.D.	Northcentral University
Joseph	DiRenzo	Ph.D.	Northcentral University
Robert	Ditch*	Ed.D.	Walden University
Timothy	Djomgoue*	D.B.A.	University of Phoenix
Gayle	Dodson*	Ph.D.	University of North Texas
Dean	Dohrman*	Ph.D.	University of Missouri - Kansas City
John	Dolan	Ph.D.	Colorado State University

Vladislav	Dolgopolov*	Ph.D.	Clark University
Karen	Dolnick*	Ph.D.	Capella University
Sean	Donahoe*	Ph.D.	George Mason University
Rebecca	Dondanville*	Ed.D.	University of North Carolina
Kim	Donovan Karaff*	M.A.	Purdue University
John	Dougherty*	M.A.	University of Kansas
Robert	Dougherty*	M.S.	Saint Joseph's University
Itasha	Douglas*	Ph.D.	Capella University
Spiro	Doukas	Ed.D.	United States Sports Academy
Terry	Dowdy*	Ph.D.	Northcentral University
Megan	Doyle*	M.S.Ed.	Eastern Illinois University
Joel	Dreessen*	M.S.	Texas Tech University
Arthur	Drennan*	M.A.	Naval War College
Kristin	Drexler	M.A.	Ohio University
Douglas	Dribben*	J.D.	University of Missouri - Kansas City
Kevin	Driscoll*	Ed.D.	Nova Southeastern University
Helen	Driver	M.A.	Austin Peay State University
Darrell	Driver*	Ph.D.	Syracuse University
William	Drohan*	M.S.S.	United States Army War College
Christina	Dryden*	Ph.D.	Old Dominion University
Neal	Duckworth*	M.A.	The U. S. Naval War College
Daniel	Dudzinski*	Ph.D.	Northcentral University
Donna	Duellberg*	D.Ed.	Boston University
Elizabeth	Dugan*	Ph.D.	George Mason University
Carrie	Dugan*	Ph.D.	Kent State University
Samantha	Duhn*	M.B.A.	Northcentral University
Samantha	Duhn*	Ph.D.	Northcentral University
Julie	Duncan	M.S.	Gannon University
Tisha	Duncan*	D.Ed.	The University of North Carolina at Chapel Hill
Aja	Duncan*	M.A.	Richmont Graduate University
Kimberley	Dunkerley*	Ph.D.	Nova Southeastern University
Christopher	Dunn*	M.A.	American Military University
Derrek	Dunn*	Ph.D.	Virginia Tech
Janet	Durgin*	Ph.D.	Capella University
Donald	Dutko*	M.A.	Central Michigan University
Mari-Amanda	Dyal*	Ph.D.	The University of Georgia

Christina	Dyer*	M.S.	Florida International University
Christi	Eady-Smith*	M.B.A.	New York Institute of Technology
Shanda	Easterday*	Ph.D.	Western Michigan University
Peggy	Eaton*	M.A.	The University of Alabama
Marcial	Echenique*	Ed.D.	Florida Atlantic University
Onwuatuegwu	Echezona	Ph.D.	Walden University
Scott	Eckert*	D.B.A.	Argosy University
Linda	Eckert*	M.S.	Purdue University
John	Eckhardt*	M.S.Ed.	SUNY at Cortland
Charles	Edeki*	Ph.D.	Capella University
Lawanda	Edwards*	Ph.D.	Auburn University
Constance	Edwards*	Ph.D.	University of Milwaukee
Anne	Edwards*	Ph.D.	University of Oklahoma
Roland	Edwards*	Ph.D.	University of Phoenix
Lee	Effner*	M.B.A.	The University of Tulsa
Denise	Eggersman*	Ph.D.	Capella University
Margaret	Eggleston*	Ph.D.	Virginia Tech
Christina	Ekman	J.D.	Seattle University School of Law
Alex	Ekwuaju	Ph.D.	Michigan State University
Taan Said	El-Ali*	Ph.D.	University of Dayton
Roy	Elam*	Ed.D.	Argosy University
Christopher	Elg*	M.A.S.	Fairleigh Dickinson University
Wagih	Elgohary*	Ph.D.	Capella University
Charbel	Elkhoury*	Ph.D.	Capella University
Catherine	Ellenwood	M.A.	University of Phoenix
Rhonda	Ellis	D.B.A.	Argosy University
Joanetta	Ellis*	D.Ed.	Texas A & M University - Kingsville
Whitney	Elmore*	Ph.D.	University of Florida
Mamdouh	El-Nady*	Ed.D.	University of San Francisco
Joe	Elrod*	Ed.D.	Louisiana State University
Kenneth	Emberton*	M.A.	Webster University
John	Eme*	Ph.D.	University of California - Irvine
Cassandra	Emery	J.D.	University of Richmond
Michael	Emmart*	M.S.	Kansas State University
Walter	English*	M.S.	John Hopkins University
John	Ensor*	M.S.	Central Michigan University

Robert	Epling*	Ph.D.	University of Tennessee
Amber	Epps*	D.Sc.	Robert Morris University
Amber	Epps*	M.S.	South University
Ulas Doga	Eralp*	Ph.D.	George Mason University
Jason	Eriksen*	Ph.D.	Loyola University of Chicago
Kerry	Erisman	J.D.	Temple University
Peter	Ermeys*	M.A.	Indiana University - Bloomington
Roger	Escayg*	M.B.A.	University of Phoenix
Iris	Esch-Williams*	M.S.W.	University of Michigan
Michael	Esenwein*	M.P.S.	The Pennsylvania State University
Joseph	Esposito	M.Ed.	University of Virginia
Elizabeth	Essel*	Ph.D.	The Pennsylvania State University
Emily	Estrada*	M.A.	Texas Tech University
Amelia	Estwick*	Ph.D.	The George Washington University
Joan	Evans*	D.Ed.	Texas Southern University
Michael	Evans*	M.S.	Central Michigan University
Gregory	Evans*	Ph.D.	The University of Georgia
Diana	Everman*	M.S.	Walden University
John	Eward*	M.A.	Columbia University
John	Ezell*	M.Ed.	American InterContinental University
Karen	Faith*	M.A.	Arizona State University
Holly	Fama*	M.A.C.C.	University of Alabama - Huntsville
Jennifer	Familant*	M.S.	University of Maryland University College
Christopher	Fant*	M.B.A.	Gardner-Webb University
Robert	Farinelli*	M.S.	Capella University
Todd	Farmer*	Ed.D.	University of Phoenix
Corinne	Farneti*	Ph.D.	The Ohio State University
George	Faron	M.S.C.J.	Tiffin University
Christian	Faught	M.A.	The University of Tennessee - Knoxville
Terry	Faulkenbury*	D.Min.	Liberty University
Brian	Faulkner*	D.Ed.	Nova Southeastern University
Rebecca	Faulkner*	D.Ed.	Nova Southeastern University
Janet	Felder	M.S.	North Georgia College and State University
Andrew	Feldman	Ph.D.	University of Paris IV- Sorbonne
Erin	Felicetti*	Ph.D.	Washington State University
Delicia	Fellers*	Ed.D.	Argosy University - Sarasota

Philip	Fellman	Ph.D.	Cornell University
Craig	Fenn*	M.S.	Pennsylvania State University
Jere	Ferguson*	M.B.A.	University of Phoenix
Florence	Ferguson*	Ph.D.	Michigan State University
Eleanor	Fernandez	M.A.	University of Florida
Jacqueline	Fernandez*	M.A.	University of California - Santa Barbara
Martha	Fielder*	Ph.D.	Texas Christian University
Jennifer	Fielding*	M.Ed.	Endicott College
Joyce	Fields*	M.S.	California State University - East Bay
Amanda	Fields*	M.S.	University of Nebraska - Kearney
Donna	Fife*	Ph.D.	University of South Florida
Dustin	Files*	M.S.	Florida Institute of Technology
Amy	Filipiak*	M.P.A.	University of Colorado
Timothy	Finch	J.D.	Charleston School of Law
Keith	Finley*	Ph.D.	Louisiana State University and A & M College
Michael	Finney	M.Div.	Columbia International University
Jill	Fiore	Ph.D.	Indiana University of Pennsylvania
Mark	Fischer	M.A.	University of Central Florida
Kimbra	Fishel*	M.A.	University of Oklahoma
Linda	Fisher Lewis*	D.Mgt.	University of Phoenix
Janett	Fisher*	M.Ed.	Jones International University
MaryIn	Fisher*	Ph.D.	Capella University
Andrew	Fitzgerald*	M.S.	Marist College
Brendan	Fitzpatrick*	M.A.	American Military University
Larry	Flegle	D.B.A.	Nova Southeastern University
Janice	Flegle	M.B.A.	Kaplan University - Online
Wilton	Flemon*	Ph.D.	University of Denver
Ann	Fletchall*	Ph.D.	Arizona State University
Mark	Fliegelman*	Ed.D.	Argosy University
Stephen	Flink*	Ph.D.	University of Colorado
Marcella	Florence*	M.A.	George Mason University
Jimmie	Flores*	D.Mgt.	University of Phoenix
Christine	Foerstel*	M.S.	Southern Illinois University - Edwardsville
Emily	Fogarty*	Ph.D.	Florida State University
Melvin	Fogle*	M.A.	Southwest University
Victoria	Fontana*	M.Ed.	University of Washington

Karin	Ford-Torres	M.B.A.	Baker College
Farshad	Foroozan*	Ph.D.	University of Maryland
Thomas	Foss*	M.P.A.	American University
Susan	Foster Ebbs	Ph.D.	University of New Orleans
Caroline	Foster*	J.D.	University of Florida
Benjamin	Foster*	M.A.	Southern Illinois University
Cory	Foster*	M.Ed.	Hardin-Simmons University
Jeffrey	Fowler	M.A.	Vermont College of Norwich University
Stephen	Fowler*	M.I.M.	American Graduate School of International Management
Dorinda	Fox*	Ph.D.	Florida State University
Jeffrey	Fox*	Ph.D.	Northcentral University
Gwyneth	Francis*	M.Ed.	University of West Georgia
Jean	Francis*	Ph.D.	Capella University
Michael	Frangos*	Ph.D.	University of California
Tijuana	Frank*	Ed.D.	Argosy University
Christy	Franklin	Ph.D.	University of Nebraska Medical Center
Rochelle	Franklin*	Ed.D.	Liberty University
Rochelle	Franklin*	Ed.S.	Liberty University
Brad	Frazier*	D.B.A.	California Coast University
Nakia	Frazier*	M.B.A.	Wayne State University
Vincent	Frazier*	M.S.	The University of Alabama
Robert	Freeborough*	Ph.D.	Capella University
Jessica	Freed*	M.Ed.	Wichita State University
Matthew	Freed*	M.S.	The University of Tennessee
Penny	Freeland	M.F.A.	Sarah Lawrence College
Steven	Freeman*	M.S.	Syracuse University
Virginia	Frey*	M.B.A.	American Public University
Mark	Friske*	Ph.D.	Capella University
Michael	Frisoli*	Ph.D.	University of Southern California
Emmet	Fritch*	Ph.D.	Northcentral University
Deborah	Fromer*	M.P.H.	Wichita State University
Patrick	Fruge*	M.A.	American Military University
Carol	Fuchs*	M.A.	National University
Ilan	Fuchs*	Ph.D.	Bar-Ilan University
Maxine	Fuller*	M.A.	The University of Alabama - Birmingham
Rhema	Fuller*	Ph.D.	University of Connecticut

Nancy	Fultz*	Ph.D.	The University of Michigan - Ann Arbor
Ryan	Funkhouser*	M.S.	Purdue University
Nancy	Furlow*	Ph.D.	The University of Southern Mississippi
Natalie	Fussell*	Ph.D.	Mississippi State University
Valencia	Gabay	M.Ed.	University of Florida
Achilles	Gacis*	Ph.D.	Walden University
John	Gaines*	Ph.D.	Texas Tech University
Donna	Galla*	D.B.A.	Nova Southeastern University
Erin	Gallagher*	M.A.	Brooklyn College of the City University of New York
Brian	Galli*	M.S.	Missouri University of Science and Technology
Brian	Galli*	Ph.D.	Old Dominion University
Karyn	Gallivan*	M.S.	Old Dominion University
Dina	Gallo*	M.B.A.	SDA Bocconi School of Management of Luigi Bocconi University
Eric	Gallo*	Ph.D.	Drexel University
Terri	Galvan*	M.P.P.	University of Southern California
Jackie	Galvan*	M.S.	University of Maryland, Baltimore County
Mark	Gambill*	D.B.A.	Nova Southeastern University
Nader	Gandevani*	Ph.D.	Walden University
George	Gannage*	Ph.D.	Northcentral University
Steven	Gans	Ph.D.	Pennsylvania State University
Edward	Gant*	D.M.A.	The University of Iowa
Frederick	Gao*	D.Ed.	University of Massachusetts
Luis	Garcia	Ph.D.	Northeastern University
Michelle	Gardner	M.S.	Valdosta State University
Regan	Garey*	D.B.A.	Argosy University
Sara	Garski*	Ph.D.	Capella University
Paul	Garten*	M.S.	Elmira College
Natascha	Gast	M.A.	University of Connecticut
LaTasha	Gatling	M.A.	Morgan State University
Currie	Gauvreau*	M.A.	University of South Florida
Anthony	Gayles*	M.A.F.M.	Virginia Tech
Brenda	Geer-Frazier*	M.B.A.	American InterContinental University
Paul	Gelpi*	Ph.D.	The University of Alabama
Laurie	Genesi-Bloom*	M.B.A.	Capital University
Dina	Gentile*	Ed.D.	Boston University
Kelly	George*	M.A.	Webster University

John	Georges*	M.S.	Hampton University
Anne	Geraci*	M.A.	Converse College
Rossano	Gerald*	D.B.A.	Argosy University - Sarasota
Lisa	Gerardy*	M.LIB.STD.	Fort Hays State University
Jerri	Gerlach*	M.Ed.	Tennessee State University
Mary Jo	Gibbs*	Ph.D.	University of Nevada - Las Vegas
Angela	Gibson	Ed.D.	Texas A & M University - Kingsville
Jerome	Gideon*	Ph.D.	University of Southern California
Signe	Gilbert*	M.S.	Chamberlain College of Nursing
Miron	Gilbert*	Ph.D.	Walden University
Paul	Gillespie*	M.B.A.	DeVry University
Michael	Gillespie*	Ph.D.	Indiana University
Jacqueline	Gilliard*	Ph.D.	Capella University
David	Gillie*	M.A.	Naval War College
Bruce	Gillies*	Ph.D.	Alliant International University
Thomas	Gills*	M.P.A.	Troy University
William	Gillum	D.Ed.	Azusa Pacific University
Craig	Gilman*	M.S.	Old Dominion University
Jamie	Gladfelter	M.S.	Illinois State University
Mina	Glabosky*	Ph.D.	Florida Atlantic University
Andrew	Glass*	J.D.	University of Cincinnati
Lisa	Glass*	M.S.W.	University of South Florida
Valerie	Glass*	Ph.D.	Virginia Tech
Kenneth	Glaudell*	Ph.D.	University of Wisconsin - Madison
Eileen	Gleason*	M.S.	Southwest Baptist University
Donna	Glover*	Ph.D.	Loyola University - Chicago
Thomas	Goetz	Ph.D.	CUNY- The Graduate School and University Center
Richard	Goetz*	Ph.D.	Marquette University
Richard	Goetze*	Ph.D.	American University
Julie	Golden*	M.S.	LSU Health Sciences Center
Caroline	Gomez*	Ph.D.	Auburn University
Matthew	Gonzalez*	Ph.D.	Capella University
Farzaneh	Goodarzi*	M.S.	State University of New York
Irina	Gorbunova-Ford	Ph.D.	Ministry of Education of the Russia Federation
Carolyn	Gorczynski*	M.S.	State University College
Eliza	Gordner*	J.D.	Indiana University

Robert	Gordon	D.Mgt.	University of Phoenix
Jennifer	Gordon	M.S.	SUNY at Buffalo
Jonathan	Gordon*	M.B.A.	Georgia State University
Jacob	Gordon*	M.B.A.	Northwestern University
Steven	Gordon*	Ph.D.	Arizona State University
Eddie	Gordon*	Ph.D.	Capella University
Louis	Gordon*	Ph.D.	University of Southern California
Elizabeth	Gordy*	M.S.N.	South University
Yoav	Gortzak	Ph.D.	The Ohio State University
Thomas	Goss*	Ph.D.	The Ohio State University
Myeisha	Grady*	M.A.	Governors State University
Juanita	Graham*	D.N.P.	University of Mississippi Medical Center
Silvia	Graham*	Ed.D.	Texas A & M University Commerce
Scott	Graham*	M.S.	Texas A & M University
Michael	Graham*	Ph.D.	Capella University
Elizabeth	Granier*	Ph.D.	East Carolina University
David	Granniss*	Ph.D.	Springfield College
Raymond	Grant*	D.P.A.	University of Southern California
Rhonda	Graves*	M.S.	The University of Memphis
Elizabeth	Gray*	M.A.	American Public University
Charles	Grear*	Ph.D.	Texas Christian University
Craig	Greathouse*	Ph.D.	Claremont Graduate University
Daniel	Green*	M.A.	East Carolina University
Eddie	Green*	M.A.	Webster University
Amy	Green*	Ph.D.	University of Nevada - Las Vegas
Tamey	Greene*	M.A.	Walla Walla University
Alfred	Greenfield*	Ph.D.	Virginia Commonwealth University
Earl	Greenia*	Ph.D.	University of Southern California
Steven	Greer	Ph.D.	Capella University
Charles	Gregory*	Ph.D.	Capella University
Sean	Grier*	M.S.	University of Cincinnati
Leslie	Griffin*	M.S.	Nova Southeastern University
Christine	Griffith*	M.A.	Indiana University - Bloomington
Jennifer	Grimes*	Ph.D.	Arizona State University
Gary	Grimm*	M.LIB.STD.	Fort Hays State University
Roxanne	Grosett*	M.B.A.	Northcentral University

Elizabeth	Grossi*	Ph.D.	Indiana University of Pennsylvania
Josephine	Grove*	M.B.A.	Fontbonne University
Eric	Grukke*	Ph.D.	Washington State University
Shea	Gryglewicz*	J.D.	Stetson University
George	Guay*	J.D.	Western New England College School of Law
Yuriy	Gubanov*	M.S.	University of Florida
DeNeice	Guest	M.S.	Texas Christian University
Linda	Gullatte	M.B.A.	Walden University
Alvina	Gumbayan*	M.B.A.	University of Phoenix
Angela	Gunshore	M.A.	Edinboro University of Pennsylvania
Shelly	Gussis*	M.A.	Roosevelt University
Jacqueline	Gutierrez*	Ph.D.	University of the Incarnate Word
Tricia	Gutman*	Ed.D.	Walden University
Shawn	Haake*	M. Ed.	Iowa State University
Jad	Habchi*	M.B.A.	La Sagesse University
Paul	Haberstroh*	Ph.D.	University of Hawaii at Manoa
Julie	Hacker*	M.Ed.	University of South Florida
Nellie	Haddad*	Ph.D.	University of California - Berkeley
Ginny	Haddock	M.S.	National Defense Intelligence College
Jon	Hager*	M.S.	University of New Haven
Daniel	Hahn*	M.A.	American Public University System
George	Hale*	M.B.A.	American InterContinental University
Alan	Hale*	Ph.D.	New Mexico State University
Taylor	Hall*	M.A.	University of Massachusetts - Boston
Christopher	Hall*	M.A.	University of Texas
Michael	Hall*	Ph.D.	Texas A & M University
Jennifer	Halsey	M.B.A.	Alvernia University
John	Halstead*	Ph.D.	University of Connecticut
Robert	Haluska*	M.I.S.	DeVry University
Andrew	Halverson*	M.S.	University of Louisiana - Lafayette
Cynthia	Hamilton*	M.B.A.	Argosy University - Sarasota
Michael	Hamlin*	M.Ed.	Marymount University
Belinda	Hammond*	M.A.	California State University
Linda	Hamons*	Ph.D.	Colorado Technical University
Karen	Hand	M.S.	Florida State University
Dwayn	Hanford*	M.S.	National Defense Intelligence College

Dustin	Hannum*	M.A.	SUNY at Buffalo
Sharon	Hanscom*	Ph.D.	The George Washington University
Bethanie	Hansen	D.M.A.	Boston University
William	Hanson	Ph.D.	University of Oklahoma
Janice	Harder*	Ph.D.	University of Maryland - College Park
Ryan	Harding*	M.A.	The University of York
Donna	Hardy*	M.S.	Capella University
Kenneth	Hargreaves*	M.A.	American InterContinental University
Clifton	Harmon	M.A.	Webster University
Gregory	Harms	M.B.A.	DeVry University
Christine	Harold*	M.S.	Marshall University
Brenda	Harper	D.Ed.	Nova Southeastern University
Ryan	Harper	Ph.D.	University of Rochester
Virginia	Harper*	M.Ed.	Stephen F. Austin State University
Ashley	Harper*	M.S.	Louisiana State University and A & M College
Michael	Harrell*	M.S.	The University of Louisiana at Monroe
Kathleen	Harrington*	M.S.	Stevens Institute of Technology
John	Harrington*	Ph.D.	Georgetown University
Kevin	Harris*	D.B.A.	Argosy University
Jared	Harris*	M.S.	Grand Canyon University
Frederick	Harris*	M.S.	Mountain State University
Lisa	Harris*	M.S.	Tennessee State University
Lawrence	Harris*	M.S.	Troy University
Rebecca	Harris*	Ph.D.	East Carolina University
Tracy	Harris*	Ph.D.	University of California - Irvine
Lawrence	Harrison	M.S.	Johns Hopkins University
Jamie	Harrison*	D.Ed.	University of West Georgia
James	Harrison*	M.A.	Portland State University
Rebecca	Harrison*	Ph.D.	North Carolina State University
Janine	Harrison-Poore*	M.F.A.	Chicago State University
Karen	Harrop*	M.P.H.	Johns Hopkins University
Vicki	Harsh*	M.A.	University of Colorado
Gregory	Hart*	Ph.D.	Capella University
Eric	Harter*	D.Mgt.	Case Western Reserve University
Lucas	Hartman*	Ph.D.	Capella University
Teresa	Harvey*	Ed.D.	Nova Southeastern University

Nicole	Harvey*	J.D.	Thomas M. Cooley Law School
Alysia	Harvey*	M.P.A.	Valdosta State University
Salomeh	Hasheminasab*	M.A.	St. Mary's University
Chandice	Haste-Jackson*	Ph.D.	Syracuse University
Kalani	Hausman*	M.I.T.	American InterContinental University
Timothy	Hayburn*	M.A.	Villanova University
Timothy	Hayburn*	Ph.D.	Lehigh University
Steven	Hayes*	M.S.W.	University of Houston
Victoria	Haynes*	J.D.	Loyola University
Paul	Haynes*	M.S.	Polytechnic Institute of New York University
Nicole	Heath*	J.D.	Saint Thomas University School of Law
Nancy	Heckel	M.A.	University of Rochester
Danielle	Hedegard*	Ph.D.	The University of Arizona
William	Hedgepeth*	M.B.A.	University of Phoenix
John	Hein*	M.A.	Governors State University
Edward	Heller*	M.S.	Grand Valley State University
Tanya	Heller*	M.S.	Winthrop University
Stanley	Helm*	J.D.	Creighton University
JuTon	Hemphill*	M.S.	DePaul University
Sheila	Henderson*	D.M.	Colorado Technical University
Susan	Hendry*	M.B.A.	The University of Tampa
Terri	Hennessy	M.A.	National University
William	Henninger*	Ph.D.	Iowa State University
Jennie	Hensarling	M.A.	The University of Southern Mississippi
Stacey	Hephner*	Ph.D.	Sam Houston State University
Tamara	Herdener	J.D.	University of Notre Dame
Jane	Herder*	M.Ed.	University of Missouri
Emily	Herff	M.S.	University of Edinburgh
Michele	Herrera*	Ed.D.	Vanderbilt University
Christopher	Herrmann*	Ph.D.	CUNY - The City University of New York
David	Hershey	M.B.A.	University of Phoenix
James	Hess	Ph.D.	Louisiana State University
John	Hetherington*	M.S.	Ithaca College
Ray	Hewitt*	M.A.G.	New Mexico State University
Eleanor	Hewitt*	M.S.	Kaplan University
Daniel	Hicks*	Ph.D.	Pennsylvania State University

Jaime	Higgins*	M.A.	American Military University
Wendy	Hilbert*	M.A.	American Public University
William	Hildreth*	M.B.A.	University of Phoenix
Brian	Hill*	J.D.	Saint Thomas University
Jonathan	Hill*	M.A.	Western Michigan University
Michelle	Hill*	M.S.	Johns Hopkins University
Maurene	Hinds*	M.F.A.	Vermont College of Norwich University
Erik	Hines*	Ph.D.	University of Maryland - College Park
Dylan	Hite*	M.S.	University of Southern Mississippi
Nancy	Hixson*	Ph.D.	University of Northern Colorado
Daniel	Hladky	Ph.D.	Northcentral University
Yvonne	Ho	M.A.	University of California - Los Angeles
Giles	Hoback*	M.A.	American Military University
Carol	Hoban*	Ph.D.	Georgia State University
Offie	Hobbs*	Ph.D.	Kansas State University
James	Hocker*	M.S.	The University of Oklahoma
Ellis	Hodgdon*	M.S.	Georgia Institute of Technology
Michael	Hoffman*	J.D.	Southern Methodist University
Glenda	Holcomb*	D.Mgt.	University of Phoenix
Susan	Holloway*	M.A.	National University
Michelle	Holm*	M.S.	University of Central Florida
Roderick	Holmes*	Ph.D.	University of Houston
Jon	Holstine*	Ph.D.	Indiana University - Bloomington
Carla	Homburg*	Ph.D.	Capella University
Chris	Hooper*	M.B.A.	Webster University
John	Hoptak*	M.A.	Lehigh University
Beth	Horine*	M.S.	Air University
John	Horne*	D.B.A.	Nova Southeastern University
Maureen	Horowitz	M.S.	The Florida State University
Jeffrey	Horwitz*	J.D.	University of Pittsburgh
Jacqueline	Hott	M.A.	Virginia Tech
Kristin	Houlton*	M.A.	Indiana University of Pennsylvania
Robert	Houseknecht*	Ph.D.	University of North Carolina at Chapel Hill
Kimberly	Houser*	J.D.	University of Illinois at Urbana
Natasha	Houston*	Ed.D.	Nova Southeastern University
Diane	Houston*	M.A.	Western Washington University

Sheladia	Houze*	M.Ed.	The University of Georgia
Donald	Howard*	D.Min.	McCormick Theological Seminary
Adam	Howard*	Ph.D.	University of Florida
Kenneth	Howell*	Ph.D.	Texas A & M University
Nancy	Hriljac*	M.A.	University of California - Berkeley
Matthew	Hubbs*	Ed.D.	Argosy University
James	Hudnell*	M.A.	American Military University
Augustus	Hudson*	M.S.	Nova Southern University
Ernest	Hughes	Ed.D.	Seattle University
Latanya	Hughes	M.B.A.	Strayer University
Gayle	Hughes	M.S.	Rutgers, The State University of New Jersey
Mary Ann	Hughes Butts*	D.Mgt.	University of Phoenix
Jennifer	Hughes*	M.S.	Illinois State University
Todd	Hughes*	Ph.D.	University of Wisconsin - Madison
Rebecca	Hughes-Haynes*	M.S.	Troy University
Terence	Hunt*	M.S.	Bellevue University
Calvin	Hunter*	D.S.M.	United States Sports Academy
Mary Beth	Hunter*	M.F.A.	Bennington College
Andrew	Hunter*	Ph.D.	Rensselaer Polytechnic Institute
Christopher	Huseman*	Ph.D.	Capella University
Elizabeth	Hutchings	M.S.	Brigham Young University
Daniel	Hutchins*	M.A.	University of Rochester
Richard	Hutchins*	M.B.A.	The University of West Florida
Christal	Hutton*	M.A.	University of Connecticut
Ralph	Hutton*	M.S.	University of Richmond
Katherine	Hyatt*	D.B.A.	Nova Southeastern University
Sarah	Hyde*	Ph.D.	Louisiana State University and A & M College
Kevin	Hylton*	Ph.D.	Howard University
Anthony	Ibrahim*	J.D.	Nova Southeastern University
Bernard Thompson	Ikegwuoha*	Ph.D.	Pontifical Lateran University
Victor	Ilegbodu*	Ph.D.	University of Texas Health Science Center at Houston
Scott	Infanger*	Ph.D.	Vanderbilt University
Laura	Inglis*	M.S.	Austin Peay State University
Andrew	Ingraham*	M.S.	Capitol College
Todd	Isaacson*	Ph.D.	Capella University
Melody	Isaak*	D.B.A.	Northcentral University

Marie	Isom	Ed.D.	Argosy University
Dawn	Iwamasa*	M.A.	University of the Pacific
Brett	Jackman*	M.S.	Embry-Riddle Aeronautical University
Katherine	Jackson*	M.A.	The University of Maine
Mahshid	Jalilvand*	Ph.D.	University of Nebraska - Lincoln
Alidad	Jalinous*	M.S.	University of Colorado
Veronica	James*	M.P.H.	Jackson State University
Jeffrey	James*	Ph.D.	Syracuse University
Kevin	James*	Ph.D.	University of Illinois at Chicago
Ezekiel	Jarvis*	Ph.D.	University of Wisconsin - Milwaukee
Peter	Jaske*	M.S.	Indiana State University
Tom	Javarinis*	Ph.D.	Capella University
Reginald	Jayne*	M.A.	Sam Houston State University
Rodney	Jean-Baptiste*	Ph.D.	Capella University
Mariah	Jeffery*	Ph.D.	University of Central Florida
Tionna	Jenkins*	M.P.H.	Fay W. Boozman College of Public Health
Patrick	Jennings*	Ph.D.	Loyola University of Chicago
Bryan	Jensen*	M.S.	Bellevue University
Eric	Jensen*	M.S.	Nova Southeastern University
Tonya	Jeppesen*	M.S.	Minnesota State University
Kelly	Jernigan	M.A.	Louisiana State University and A & M College
Reginald	Jeter*	J.D.	The University of Alabama
Gordon	Jett*	M.A.	Webster University
Jennifer	Jewell*	M.S.	Palm Beach Atlantic University
Ronald	Jeziorski*	Ed.D.	University of San Francisco
Ting	Jiang*	Ph.D.	University of California - Irvine
Sabrina	Jimenez*	M.A.	University of California - Riverside
David	Jimenez*	M.A.	Webster University
Stephen	Jobe*	M.A.	Converse College
Jenny	Johnson	M.S.	California University of Pennsylvania
Ronald	Johnson	Ph.D.	The University of Oklahoma
Charles	Johnson*	D.B.A.	Jones International University
Scott	Johnson*	Ed.D.	West Virginia University
James	Johnson*	J.D.	Faulkner University
Richard	Johnson*	M.S.	California University of Pennsylvania
Nichole	Johnson*	M.S.	Capella University

Alissa	Johnson*	Ph.D.	Capella University
Bradley	Johnson*	Ph.D.	Capella University
Bruce	Johnson*	Ph.D.	Capella University
Stephanie	Johnson*	Ph.D.	Colorado State University
Philip	Johnson*	Ph.D.	The University of Arizona
Sarah	Johnson*	Ph.D.	The University of Texas - Austin
Deborah	Jones*	Ed.D.	Argosy University
Stephen	Jones*	M.P.A.	American Public University
Kisha	Jones*	M.S.	Alfred University
Reginald	Jones*	Ph.D.	Howard University
Christopher	Jones*	Ph.D.	Northern Illinois University
James	Jones*	Ph.D.	The Ohio State University
Lauren	Jordan*	Ph.D.	East Carolina University
Joan	Jorgensen*	Ph.D.	Capella University
Ajit	Joseph*	Ph.D.	Utah State University
Ljubica	Jovanovic*	Ph.D.	Vanderbilt University
Donna	Joy*	Ph.D.	Virginia Tech
Stephen	Juaire	Ph.D.	Florida State University
Michael	Judd*	Ph.D.	University of Southern California
Sharon	Jumper*	J.D.	Wake Forest University
Dallas	Jurisevic*	Ph.D.	University of Nebraska - Lincoln
Johnny	Justice*	M.S.	Nova Southeastern University
Paul	Kahan*	Ph.D.	Temple University
Frederick	Kalisz*	Ph.D.	Northeastern University
Eric	Kallio*	Ph.D.	Northcentral University
Elizabeth	Kalos*	M.A.	Tulane University
Ahmed	Kamel	Ph.D.	Auburn University
Kristen	Kane*	Ph.D.	The Florida State University
Robert	Kane*	Ph.D.	University of California - Los Angeles
Mily	Kao*	Ph.D.	Arizona State University
Pan-Chuane	Kao*	Ph.D.	Walden University
Louay	Karadsheh*	Ph.D.	Lawrence Technological University
John	Karonika*	Ph.D.	Texas A & M University
Mark	Kass*	Ph.D.	University of Missouri
Andrea	Katolin*	M.A.	Truman State University
Aristotle	Katopodis*	M.B.A.	California State University - Long Beach

Lynda	Katz*	M.S.	Florida State University
Dana	Kaufman*	J.D.	DePaul University
Christian	Kazmierczak	M.S.A.	Central Michigan University
Allison	Keane*	M.A.	SUNY at Binghamton
Lisa	Kearney*	Ph.D.	Northcentral University
Merritt	Kearns	M.Ed.	Georgia Southern University
Elizabeth	Keavney*	Ph.D.	Walden University
Bruce	Keisling	Ph.D.	Auburn University
Tricia	Keiter	D.C.	Life University
Lori	Kelley	M.A.	University of New Orleans
Mark	Kelley	Ph.D.	The City University of New York
Rebecca	Kelley*	D.B.A.	Argosy University
Tynnetta	Kelley*	D.M.	University of Phoenix
Thomas	Kelley*	Ph.D.	Florida State University
Leonard	Kelly	Ph.D.	University of Connecticut
Thomas	Kelly	Ph.D.	University of Illinois at Chicago
Leslie	Kelly	Ph.D.	University of Pennsylvania
Brian	Kelly*	M.A.	American Military University
Charles	Kelly*	Ph.D.	The University of Southern Mississippi
Mark	Kelso*	Ph.D.	Northcentral University
Amy	Kemp*	M.A.	The University of Alabama
Herbert	Kemp*	Ph.D.	Capella University
Shannon	Kenagy*	M.S.	Florida State University
Sheri	Kendall-duPont*	M.A.	Roosevelt University
Donna	Kenley*	Ph.D.	George Mason University
Anne	Kennedy	Ph.D.	Bowling Green State University
James	Kernan*	Ph.D.	West Virginia University
Andria	Kerney*	J.D.	Indiana University
Deborah	Ketchum*	M.A.	Longwood University
Andre	Key*	Ph.D.	Temple University
Deborah	Kidwell*	Ph.D.	University of Kansas
Sean	Kielty*	J.D.	Rutgers, The State University of New Jersey
Amanda	Kik*	M.F.A.	California Institute of the Arts
Bernadette	Kilcer*	M.A.	American Military University
Robert	Kilgo*	M.S.	University of North Dakota
Grayson	Kimball*	Ph.D.	Springfield College

Jonathan	Kimble*	M.B.A.	University of Phoenix
Jon	Kimminau*	Ph.D.	The Ohio State University
Ralph	King	M.S.	Rensselaer Polytechnic Institute
Robert	King*	Ed.S.	Walden University
Michael	King*	M.A.	Vermont College of Norwich University
A	King*	Ph.D.	Colorado State University
Alissa	King*	Ph.D.	Iowa State University
Thomas	King*	Ph.D.	University of South Florida
Tara	King-Miller*	M.A.	University of Central Florida
Jeffrey	Kingsbury*	M.D.	SUNY at Buffalo
Ashley Marie	Kingsley*	M.S.	Long Island University
Matthew	Kioko*	M.I.S.	DeVry University
Steve	Kipuros*	M.B.A.	Babson College
Robert	Kirkland*	Ph.D.	University of Pittsburgh
Thomas	Kirkwood*	Ph.D.	University of Colorado
Roy	Kirvan*	Ph.D.	Rutgers, The State University of New Jersey
Gerald	Kissel*	Ed.D.	Temple University
Detlef	Klann*	M.S.	Embry-Riddle Aeronautical University
Kevin	Kloesel*	Ph.D.	The Pennsylvania State University
Jonathan	Klug*	M.A.	Louisiana State University and A & M College
James	Knapp*	Ph.D.	University of North Texas
Bruce	Knee*	M.S.	American Military University
Allison	Knox	M.A.	American Public University System
Teresa	Knox*	J.D.	University of South Carolina
Richard	Kochersperger*	M.P.S.	Cornell University
Lisa	Kochevar	M.A.	California State University - San Bernardino
Barbara	Koehler-Miles*	J.D.	University of Denver
Nelson	Kofie*	Ph.D.	The George Washington University
Jacques	Koko*	Ph.D.	Nova Southeastern University
David	Kolb*	M.A.	American Public University
Peter	Koloski*	M.B.A.	Montclair State University
Yukinori	Komine*	Ph.D.	University of Lancaster
David	Konkle*	M.Ed.	Bowie State College
Karolina	Kopczynski*	Ed.D.	University of Phoenix
Jeffrey	Kosse*	Ph.D.	University of Nebraska - Lincoln
Kristen	Kostelnik	M.S.	North Carolina State University

Samer	Koutoubi*	Ph.D.	Florida International University
Tina	Kovar*	M.S.	Kaplan University
Clifton	Krahenbill*	M.S.	Capella University
Belkacem	Kraimeche	Ph.D.	Columbia University In The City of New York
Elizabeth	Kraske*	M.S.	The George Washington University
William	Krauss*	Ed.D.	The George Washington University
John	Kreis	Ph.D.	University of Missouri - Columbia
Barbara	Kreling*	Ph.D.	Walden University
John	Krop*	M.S.	University of Maryland University College
Attapol	Kuanliang*	Ph.D.	Prairie View A & M University
John	Kuhn*	Ph.D.	University of Central Florida
Lori	Kupczynski*	Ed.D.	Texas A & M University - Kingsville
Brian	Kupfer*	Ph.D.	Claremont Graduate University
Kevin	Kupietz*	Ph.D.	Capella University
Mary Ann	Kurinovich*	Ph.D.	Rutgers, The State University of New Jersey
Leonard	Kusnitz*	Ph.D.	The University of Chicago
Anna	Kuthy*	Ph.D.	Old Dominion University
Kara	Kuvakas*	M.E.S.M.	University of California
Rosemary	Kwa*	M.A.	University of California - Irvine
John	Kwagyan*	Ph.D.	Temple University
Heidi	Kyle	M.A.	Washington State University
Edward	LaBarge*	M.S.	Capella University
Kimberly	Lacy*	M.Ed.	The University of Texas - Austin
Lucy	Laffitte*	Ph.D.	North Carolina State University
Gregory	Laird*	M.A.	Webster University
Charles	Lamb*	J.D.	The University of Georgia
Gregory	LaMotta*	Ph.D.	University of Maryland - College Park
Phyllis	Langone*	Ph.D.	The City University of New York
Guy	Langvardt*	Ph.D.	Capella University
Jason	Lantzer*	Ph.D.	Indiana University - Bloomington
Shari	Laprise*	Ph.D.	Tufts University
Deanne	Larson	D.Mgt.	University of Phoenix
Jacklyn	Larson*	M.A.	Purdue University
Donald	Latrick*	M.A.	St. Mary's Seminary and University
Deborah	Laufersweiler-Dwyer*	Ph.D.	Virginia Commonwealth University
Jennifer	Lauren*	Ph.D.	Duquesne University

Richard	Lavigne*	M.A.	American Military University
Keri	Law*	M.A.	West Virginia University
Jeremy	Lawhorn*	M.A.	Norwich University
Wendy	Lawrence*	M.S.	Massachusetts Institute of Technology
Leigh	Lawrie*	M.T.A.	The George Washington University
David	Lawson*	D.Mgt.	Webster University
Kevin	Lawson*	M.Div.	Ashland Theological Seminary
Alex	Lazo	Ph.D.	Capella University
Andrew	Lazo*	M.A.	New Mexico State University
Frank	Lazzara*	Ph.D.	Capella University
Thomas	Leamy	M.A.	Northeastern University
Jeffrey	Leatherwood	Ph.D.	West Virginia University
Bethany	Leavens*	Ph.D.	University of Virginia
Cynthia	Lederer-Sydnor*	Ph.D.	Union Institute & University
Calinda	Lee*	Ph.D.	Emory University
Georgette	Lee*	Ph.D.	University of Illinois at Chicago
Rhonda	Lee-Ernest*	Ph.D.	Capella University
Marian	Leerburger*	Ph.D.	University of Maryland - College Park
Brett	Legault*	M.Ed.	Lesley University
Elizabeth	Legault*	M.Ed.	Salem State College
Walter	Legg*	M.S.S.	United States Sports Academy
Debra	Lehman*	M.S.	Oklahoma State University
Alyse	Lehrke*	M.A.	Spring Arbor University
Richard	Leiter	Ph.D.	Michigan State University
Dana	Leland*	Ph.D.	Northcentral University
Loretta	LeMay*	Ph.D.	Indiana University - Bloomington
Nygel	Lenz*	M.S.	Florida State University
Melissa	Leonhardt*	M.A.	Lenoir-Rhyne University
Carl	Letsche*	Ph.D.	Indiana University
Judith	Levin*	M.S.	Central Connecticut State College
Michael	Levy*	M.B.A.	Northwestern University
Sarit	Levy*	Ph.D.	Trident University International
Kathy	Lewis Jackson*	M.S.	Kaplan University
Jason	Lewis*	D.M.	University of Phoenix
Joshua	Lewis*	M.A.	Webster University
Michael	Lewis*	M.B.A.	Northcentral University

Diane	Lewis*	M.Ed.	University of Phoenix
Leslie	Lewis*	M.H.A.	Bellevue University
WenChing	LiaoDuffy*	M.A.	St. Mary's University
Gary	Liguori*	Ph.D.	Dakota State University
Meiling	Lim*	Ed.D.	University of Massachusetts - Amherst
Fatima	Lim-Wilson*	Ph.D.	University of Denver
Colleen	Lindecker*	Ph.D.	Capella University
Cynthia	Lindenmeyer*	M.Div.	Duke University
Vincent	Lindenmeyer*	Ph.D.	Northcentral University
Nathan	Lindsay*	M.S.	National Defense University
Steven	Lindstrom*	Ph.D.	Capella University
James	Lint*	M.B.A.	Touro University International
Cecelia	Lipscomb-Hammond*	D.P.N.	University of Alabama - Birmingham
Stacey	Little	Ph.D.	Indiana Tech
Nathaniel	Litton*	Ph.D.	Texas A & M University
Patricia	Litz*	M.S.	University of Colorado
Jeremy	Livingston*	M.S.	Strayer University
Lanita	Lloyd*	M.S.	Jacksonville State University
Heidi	Lockwood	M.Ed.	University of Oregon
Wendy	Lodge*	M.S.Ed.	Dominican University
Thomas	Lombardi*	M.A.	The University of Montana
Daniel	Look*	Ph.D.	Boston University
Matthew	Loux	M.S.	University of Central Missouri
Susan	Lowman-Thomas	M.A.	Idaho State University
Ryan	Loyd*	M.A.	West Texas A & M
Andrew	Luadzers*	J.D.	Charleston School of Law
Devorah	Lucas*	D.B.H.	Arizona State University
Brett	Lucas*	M.A.	California State University
Pamela	Lucas*	M.A.	Naval War College
Monica	Ludwig	M.Ed.	Towson University
Shelia	Luke*	M.S.	University of Maryland - College Park
Lynn	Lunceford*	M.A.	Alliant International University
Wenbin	Luo*	Ph.D.	The University of New Mexico
Crystal	Lupo*	Ph.D.	Auburn University
Kevin	Lux*	M.S.	University of Pennsylvania
James	Lynch*	M.A.	Indiana University - Bloomington

Anna	Lynch*	M.S.Ed.	Indiana University - Bloomington
Elliott	Lynn	Ph.D.	Capella University
Teresa	Maas*	Ph.D.	Capella University
Ana	Machuca*	Ph.D.	Northcentral University
Wayne	MacKenzie	M.S.	The University of Alabama - Huntsville
Jason	MacLeod*	M.F.A.	The University of Montana
Don Kirk	Macon	Ph.D.	Universidad Central de Nicaragua
Rachel	Madsen*	Ph.D.	University of Connecticut
Floyd	Maertens	M.B.A.	Western New England College
Sherrilyn	Magby*	M.I.S.	North Carolina Central University
Craig	Magee*	M.B.A.	Touro University International
Bryan	Maggard*	Ph.D.	University of Missouri - Columbia
Nancy	Mahan*	M.S.	California State University - Long Beach
Mehrdad	Mahmoudi Zarandi*	Ph.D.	California Institute of Technology
Richard	Mahoney*	M.A.	Naval War College
Carrie	Maison*	M.F.A.	Queens University
John	Majewicz*	Ph.D.	Temple University
Bilal	Makkawi*	Ph.D.	Florida International University
Walter	Makovoz*	Ph.D.	The Union Institute
Orlando	Malate*	M.B.A.	Saint Xavier University
Matthew	Malloy*	M.A.	New York University
Julie	Malmberg*	M.S.	University of Illinois at Urbana - Champaign
Juana	Malone*	M.B.A.	Florida Institute of Technology
Timothy	Malone*	Ph.D.	Union Institute & University
Anita	Mamoran*	M.S.	Troy University
Gregory	Mandalas	M.Ed.	Gannon University
Kathleen	Mangeri	M.A.	Trenton State College
Anthony	Mangeri*	M.P.A.	Rutgers, The State University of New Jersey
Jacqueline	Mangieri*	Ph.D.	Capella University
Ronald	Mangum*	J.D.	Northwestern University
Susan	Mangus*	M.B.A.	University of Phoenix
Fiona	Mani*	Ph.D.	West Virginia University
Travis	Mann*	M.P.A.	Georgia State University
Pat	Mann*	Ph.D.	Argosy University
Amanda	Manners*	D.Mgt.	Phoenix University
Shawn	Manning*	M.S.	California University of Pennsylvania

Benjamin	Manning*	M.S.	University of Southern Mississippi
Fernando	Manrique*	Ph.D.	Arizona State University
Kennedy	Maranga*	Ph.D.	Walden University
Dustin	Marema*	M.I.S.	University of Phoenix
Mark	Marino*	Ed.M.	SUNY at Buffalo
Eugene	Marino*	M.A.	University of Missouri - Columbia
James	Marion*	Ph.D.	Capella University
Jennifer	Markusic*	M.S.	Bowling Green State University
Robert	Marlett	M.S.	Naval Postgraduate School
Lynn	Marlowe	M.A.	New York University
Heather	Marnell	M.B.A.	University of Baltimore
Joseph	Marra*	M.S.	Massachusetts Institute of Technology
Jeffrey	Marsee*	Ph.D.	A. T. Still University
Ariana	Marshall*	Ph.D.	Florida A & M University
Karen	Marshall*	Ph.D.	Virginia Tech
Brian	Marsteller*	Ph.D.	Michigan State University
Michael	Marticek*	D.B.A.	Walden University
Kristie	Martin*	M.A.	Richard Bland College
Deborah	Martin*	M.S.	American Military University
Eduardo	Martinez*	J.D.	Mississippi College
Nicole	Martinez*	Ph.D.	University of Illinois - Chicago
Ashley	Martucci*	Ed.D.	West Virginia University
Bahir	Masadeh*	Ph.D.	Teachers College Columbia University
Gale	Mason Chagil*	Ph.D.	University of Minnesota
Lila	Massa*	M.S.	Indiana State University
Miriam	Masullo*	Ph.D.	The City University of New York
Ramona	Mata*	M.A.	Bellevue University
Robert	Matahen*	M.B.A.	Northcentral University
Robert	Matahen*	M.S.	Thomas A. Edison State College
Robert	Mathis*	Ph.D.	Capella University
Smita	Mathur*	Ph.D.	Syracuse University
Neil	Mathur*	Ph.D.	Union Institute & University
Melissa	Matteau*	Ph.D.	University of California - Irvine
Angela	Matthews	M.A.	The University of Toledo
Wayne	Matthews*	D.P.A.	University of South Carolina
Diane	Maye*	M.A.	Naval Postgraduate School

Virginia	Mayer*	Ph.D.	Harvard University
Ronald	Mayne*	Ph.D.	The University of Tennessee
Melissa	Mays*	D.N.P.	University of Alabama - Birmingham
Francis	Mbamalu*	M.S.	University of Maryland, Baltimore County
Andrea	McAfee	M.P.P.	University of Maryland
Shannon	McAteer*	D.P.A.	Walden University
Melanie	McBride	Ph.D.	McMaster University
Craig	McBride*	Ph.D.	University of Arkansas
James	McCarthy*	M.B.A.	Suffolk University
Stephen	McCauley*	D.B.A.	Walden University
Krystle	McClain*	M.E.	University of Maryland
Rebecca	McClay*	D.C.	Texas Chiropractic College
Jennifer	McCollum*	Ph.D.	University of Washington
William	McConnell*	D.Mgt.	University of Phoenix
Maryann	McCool*	J.D.	Rutgers, The State University of New Jersey
Jennifer	McCoy*	M.S.	Brigham Young University
Donald	McCracken*	Ph.D.	Northcentral University
Matthew	McCue*	M.F.A.	Columbia University - NY
Heather	McCumber*	M.A.	Ashford University
Peter	McDanel*	D.B.A.	Nova Southeastern University
Sandra	McDavid	J.D.	Saint Louis University
Stefanie	McDonald*	Ph.D.	University of California
Robert	McDowell	Ed.D.	The George Washington University
Christopher	McFarlin*	J.D.	Texas Southern University
Marc	McGrath	M.A.	California State University - Dominguez Hills
Robert	McKay*	M.S.	University of Oregon
Elizabeth	McKee*	J.D.	Syracuse University
Jennifer	McKee*	M.S.	University of Colorado
Robert	McKinley*	M.A.	National University
Robert	McKinley*	M.S.	Liberty University
Jeanette	McLaughlin*	M.A.	Youngstown State University
Kevin	McLaughlin*	M.S.	Nova Southeastern University
Alister	McLeod*	Ph.D.	Purdue University
Kelly	McMichael	Ph.D.	University of North Texas
Philip	McNair*	M.A.	Naval War College
Corey	McNair*	M.S.	University of Wisconsin - Stout

Steven	McNally	M.A.	Webster University
Heidi	McNally	M.S.	Nova Southeastern University
Erin	McNary*	Ph.D.	Indiana University - Bloomington
Kimberly	McNeal*	M.A.	Western Govenors University
Michael	McNeal*	Ph.D.	University of Denver
Robert	Mead*	M.S.	Joint Military Intelligence College
Julian	Meade*	M.S.	National Defense Intelligence College
Tammy	Means*	Ph.D.	The Pennsylvania State University
Paul	Medhurst*	Ph.D.	University of Middlesex
Amanda	Meeks	M.A.	Mercy College
Aaron	Mehl*	M.S.	Virginia Commonwealth University
Theresa	Melenas*	Ed.D.	University of Phoenix
Rob	Mellen*	Ph.D.	Washington State University
Robert	Melton*	Ph.D.	University of Illinois at Urbana
Jolene	Mendel	M.A.	Chapman University
Manuel	Menocal*	M.C.J.	Boston University
Virginia	Merlini*	Ph.D.	University of Connecticut
Thomas	Messer*	M.S.	Fordham University
Kurt	Messick	M.Div.	Christian Theological Seminary
Marc	Mestyaneek*	M.A.	Pepperdine University
Kevin	Metcalf*	J.D.	University of Arkansas
Randy	Meyer*	M.A.	Norwich University
Carol	Meyer*	M.B.A.	New York University
Gregory	Meyer*	M.S.	Bowie State University
Adam	Meyer*	M.S.	Capitol College
Donald	Meyerhoff*	M.A.	Webster University
Richard	Meyers	M.S.	The University of Southern Mississippi
Stella	Michael Makri*	Ph.D.	Texas A & M University - Commerce
LeConte	Middleton*	Ed.D.	South Carolina State University
Vincent	Mikkelsen	Ph.D.	Florida State University
Jon	Mikolashek	Ph.D.	Florida State University
George	Mikulski*	Ph.D.	Nova Southeastern University
Douglas	Mikutel*	Ph.D.	Florida State University
Julie	Milcoff*	M.Div.	American Baptist Seminary of the West
David	Milen*	Ph.D.	Walden University
Lisa	Miller	Ph.D.	The Ohio State University

Andrew	Miller*	J.D.	Seattle University
Bret	Miller*	M.A.	American Public University
Robin	Miller*	M.A.	University of Virginia
Marsha	Miller*	M.Ed.	Grand Valley State University
Ellen	Miller*	M.Ed.	Southeastern Louisiana University
Kim	Miller*	M.S.	Kaplan University
Lori	Miller*	M.S.	McDaniel College
Lara	Miller*	M.S.	The George Washington University
Andrew	Miller*	Ph.D.	Purdue University
Gregory	Miller*	Ph.D.	The University of Toledo
Jeffrey	Miller*	Ph.D.	University of Southern California
Brad	Millick *	Ph.D.	The Catholic University of America
Thomas	Milnes III *	M.A.	St. Mary's University
Dana	Milstein*	M.Phil.	CUNY - The Graduate School and University Center
Michael	Miner	M.A.	University of Maryland
Kelly	Mink *	Ph.D.	Loyola University of Chicago
Gary	Minor*	J.D.	Seattle University
Nicole	Minor*	Ph.D.	Washington University in St. Louis
Kristina	Mirkadyrova*	M.A.	The University of Arizona
Lori	Moayed*	M.S.	Walden University
Deborah	Moerland*	Ed.D.	Argosy University
Amanda	Molinari*	J.D.	Widener University
Joseph	Molyneux*	Ph.D.	University of New Orleans
Michele	Monaco	Sc.D.	Rocky Mountain University
Anthony	Monaco*	M.S.	University of Miami
Richard	Monahan*	D.P.S.	Pace University - New York
Elizabeth	Moneymaker*	J.D.	University of Kansas
Vikki	Montgomery*	M.A.	Wesley Theological Seminary
Timothy	Moore	M.S.	American Military University
John	Moore	Ph.D.	Northcentral University
MiShawna	Moore*	D.Ed.	Walden University
Rodger	Moore*	M.A.	Webster University
Robin	Moore*	M.S.	American University
David	Moore*	Ph.D.	Nova Southeastern University
Mark	Moore*	Ph.D.	University of Pittsburgh
Jimmy	Mopecha*	Ph.D.	Arizona State University

Jose	Mora	Ph.D.	University of Connecticut
Doris	Morales-Shepherd*	M.A.	University of Maryland
Terri	Moran*	M.F.A.	University of Nebraska - Omaha
Elizabeth	Morford*	M.S.Ed.	Baylor University
Jeffrey	Morgan*	M.F.A.	Pennsylvania State University
William	Morris*	J.D.	University of North Carolina at Chapel Hill
Nancy	Morris*	M.B.A.	Seattle University
Brett	Morris*	Ph.D.	The University of Alabama
Emily	Morrison*	Ph.D.	Michigan State University
Karen	Morrisette*	J.D.	SUNY at Buffalo - School of Law
Chris	Morton*	M.A.	University of New Orleans
Susan	Mosby	M.Ed.	Washington State University
Angela	Mosby*	Ph.D.	Capella University
James	Moten*	Ph.D.	Northcentral University
Rebekah	Moughon*	M.A.	Georgetown University
Tamara	Mouras*	Ph.D.	Capella University
Seyyed Abbas	Mousavi*	Ph.D.	Griffith University
Carmen	Mousel	Ph.D.	Capella University
Tina	Mrouri	A.L.M.	University of St. Thomas
Bethany	Mueller*	M.A.	Bowling Green State University
Frank	Mueller*	M.S.	American Military University
Eve	Mueller*	M.S.	Oakland City University
Kimberly	Muirhead*	Ph.D.	Duquesne University
Katherina	Muller*	Ed.D.	West Virginia University
Robert	Mullins*	J.D.	University of Oregon
Kimberley	Mumford*	M.A.	University of Phoenix
Hans	Mumm*	M.A.	American Military University
George	Munkenbeck	M.A.	American Public University
Pavel	Murdzhev*	Ph.D.	University of Florida
Elisabeth	Murfield*	Ph.D.	Capella University
Leah	Murray*	M.S.	Rochester Institute of Technology
Nicholas	Murray*	Ph.D.	University of Florida
Matasha	Murrell Jones*	D.Mgt.	University of Phoenix
Naeem	Musa*	M.S.	The George Washington University
Anthony	Muscia*	D.B.A.	Nova Southeastern University
Danan	Myers	Ph.D.	Capella University

James	Myers	Ph.D.	Rutgers, The State University of New Jersey
Christopher	Myers	Ph.D.	The University of Iowa
Carole	Myers*	M.B.A.	Sullivan University
Carrie	Myers*	M.S.	Central Michigan University
Valerie	Myers*	M.S.	Walden University
Stephanie	Myers-Hunziker	Ph.D.	SUNY at Albany
Peter	Mylonakos*	M.S.	Dakota State University
Coleman	Myron	Ph.D.	Duquesne University
Darwin	Naccarato	M.B.A.	Regis University
Rachel	Nagel*	Ed.D.	Nova Southeastern University
Ali Mercedes	Nalls*	Ph.D.	Florida State University
Enid	Naranjo	J.D.	Inter American University of Puerto Rico
Leonard	Nardone*	Ed.D.	Temple University
Christy	Nash*	J.D.	Stetson University
Chellammal	Natarajan*	M.S.	Manonmaniam Sundaranar University
Denise	Nation*	Ph.D.	University of Cincinnati
Nina	Natoli	D.Mgt.	University of Phoenix
Michael	Navrkal*	M.S.Sc.	United States Army War College
Crystal	Nedik*	M.B.A.	Saint Leo University
Robert	Needles*	M.B.A.	Indiana University
Marc	Neerman*	M.A.	Webster University
Shane	Nelson	M.Mgt.	University of Phoenix
Ann	Nelson*	Ph.D.	Northcentral University
Irene	Nero	Ph.D.	Florida State University
Nicole	Nesberg*	M.A.	Eastern Michigan University
Wendy	Nesheim*	Ph.D.	Capella University
Barbara	Netzer*	M.S.N.	University of Phoenix
Paul	Neuberger*	M.A.	Saint Louis University
Randall	Newell*	D.B.A.	Nova Southeastern University
James	Newell*	Ph.D.	Vanderbilt University
Steven	Newman*	Ph.D.	University at Albany - SUNY
Michael	Ng*	Ph.D.	University of London, Royal Holloway
Zantel	Nichols*	M.A.	Texas Southern University
Charles	Nichols*	Ph.D.	Union Institute & University
Shana	Nicholson*	Ph.D.	Capella University
Donna	Nicol*	Ph.D.	The Ohio State University

Joseph	Niehaus*	M.S.	Tiffin University
Gwendollyn	Noble-Wold*	M.A.	The Pennsylvania State University
Cynthia	Nolan	Ph.D.	American University
Brent	Norris*	M.Acc.	Bowling Green State University
Samone	Norsworthy*	M.S.	Duquesne University
Tammy	Northrup*	M.I.T.	American InterContinental University
Mary	Norton*	M.A.	University of Phoenix
Jennifer	Novak*	M.A.	Seton Hall University
Justin	Novak*	M.P.A.	University of Pittsburgh
Andrew	Novo*	Ph.D.	University of Oxford
Christopher	Nuneviller*	J.D.	Widener University
Michael	Nunnelly	M.Ed.	Auburn University
Gideon	Nwatu*	Ph.D.	Walden University
Ekwuniru	Nwokeji*	Ph.D.	Southern University and A & M
Matthew	Nwokoji*	Ph.D.	Walden University
Obed	Nyaribo*	D.B.A.	Walden University
Aaron	Oberman*	Ph.D.	The University of Tennessee
Liam	O'Brien*	M.S.	National Defense University
Anne	O'Bryan*	Ph.D.	Iowa State University
Heather	O'Connell*	Ph.D.	University of Oregon
Wayne	Odachowski*	M.A.	American Public University
Brian	Oddi	Ph.D.	Trident University International
Yaniv	Oded*	M.S.	California State University - Monterey Bay
Ilknur	Oded*	Ph.D.	University of Maryland
Segun	Odion*	D.Mgt.	University of Phoenix
George	Ojie-Ahamiojie*	Ed.D.	Argosy University
Angel Elle	OKeeffe*	M.B.A.	DeVry University
Mary	Olea	M.A.	Stanford University
Brandy	O'Leary*	M.S.Ed.	Walden University
Allen	Olsen*	M.A.	CUNY - Lehman College
Debra	Olson*	M.A.	Central Washington University
Laura	Olson*	M.A.	University of Illinois at Chicago
Peter	Olszewski*	M.S.	Fairfield University
Steven	Oluic*	Ph.D.	Kent State University
Kristin	Ondrak*	Ph.D.	University of North Carolina at Chapel Hill
Kathrine	O'Neil	Ph.D.	The Ohio State University

Patricia	ONeill*	Ph.D.	University of Washington
Daniel	Opstal*	M.S.	National Intelligence University
Tiffany	Orcesi*	M.P.A.	Murray State University
Elizabeth	Orehovec*	M.Ed.	University of South Carolina
Franklin	Orellana*	M.I.T.	American InterContinental University
Ronald	Ortensie*	M.A.	Purdue University
Juan	Ortiz*	M.A.	Webster University
Eliza	Osae-Kwapong*	M.S.	Towson University
Jennifer	Osetek*	M.H.S.	The Pennsylvania State University
Michael	O'Shea*	Ph.D.	University of Delaware
Roxanne	Ostlund	M.A.	Regent University
Richard	Ostrov*	J.D.	Western New England University - School of Law
Penny	Otey*	Ph.D.	Texas A & M University
Penny	Otey*	Ph.D.	Texas A & M University
Kimberly	Otterstetter	M.B.A.	Davenport University
Jeffrey	Otterstetter*	M.B.A.	Wayne State University
Godwin	Otuno*	M.S.	Middle Tennessee State University
Bert	Ouderkirk*	M.S.	National University
Denise	Outlaw	D.Mgt.	University of Phoenix
Ozge	Ovun Sert*	M.B.A.	University of Maryland University College
Rosalie	Owens	Ph.D.	Regent University
Susan	Pacifico*	M.Ed.	George Mason University
Simon	Pack*	Ph.D.	The Ohio State University
Gary	Palmer*	J.D.	University of Miami
Shelley	Palmer*	M.A.	University of North Carolina at Charlotte
Aaron	Palmer*	Ph.D.	Georgetown University
Leslie	Pang*	Ph.D.	University of Utah
Biswajit	Panja*	Ph.D.	Missouri University of Science and Technology
Lisa	Pannone*	J.D.	Valparaiso University
Heather	Para*	M.A.	Duquesne University
Angela	Parham*	Ph.D.	Howard University
Vera	Parham*	Ph.D.	University of California
Delano	Parker*	Ed.D.	Argosy University
James	Parker*	M.B.A.	Webber International University
Kimberly	Parker*	Ph.D.	The University of Georgia
Pamela	Parkinson*	J.D.	The University of Utah

Tiffany	Parkman*	Ph.D.	Virginia Tech
Heather	Parks*	M.A.	Saint Louis University
Elizabeth	Parmelee*	Ph.D.	University of Denver
Andrew	Parrish*	Ph.D.	The University of Memphis
Evelyn	Paschal*	Ph.D.	Walden University
John	Patch*	M.A.	Villanova University
Brent	Paterline*	Ph.D.	Georgia State University
Carla	Paton*	M.A.	Pacifica Graduate Institute
Christopher	Patterson*	M.P.A.	University of Oklahoma
David	Patton	M.B.A.	Liberty University
Joy	Patton*	M.S.	Troy University
James	Patton*	Ph.D.	The University of Tennessee
Karen	Paullet	D.Sc.	Robert Morris University
Jean	Paulsel*	Ph.D.	Texas Woman's University
Nillab	Pazhwak*	M.Ed.	Strayer University
Loretta	Pearson*	M.S.	Northern Illinois University
David	Peavler*	Ph.D.	University of Kansas
Stacy	Peerbolte*	Ph.D.	Walden University
Glenn	Peitzmeier*	M.S.	Indiana State University
Frank	Pelli	M.A.	Pepperdine University
William	Pendergrass*	D.Sc.	Robert Morris University
William	Pendergrass*	M.S.	Naval Postgraduate School
Karen	Pentz*	D.B.A.	University of Phoenix
David	Pepper*	Ph.D.	Louisiana State University and A & M College
Ann	Peretzman*	M.B.A.	New York University
Terri	Perez	M.A.	Texas A & M University
Timothy	Perez*	D.Sc.	Dakota State University
Benjamin	Perez*	M.S.	National University
Sandra	Perez*	M.S.	Stevens Institute of Technology
Kimberly	Perkins*	D.H.A.	University of Phoenix
Mindy	Perot*	Ph.D.	Trident University International
Lisa	Perry*	Ph.D.	Arkansas State University - Jonesboro
Ruth	Perry*	Ph.D.	Texas A & M University
Elizabeth	Persson*	D.B.A.	Walden University
Slobodan	Pesic	D.B.A.	Argosy University
Kevin	Peters*	M.B.A.	The Pennsylvania State University

Amy	Peterson	Ed.D.	Northcentral University
Polly	Peterson*	M.S.W.	University of Maryland, Baltimore County
David	Petriello*	D.A.	St. John's University
Marrius	Pettiford*	Ph.D.	North Carolina State University
Daniel	Pettus*	M.S.	Southern Illinois University
John	Pezzola*	M.A.	American Military University
Thomas	Pfundstein	Ph.D.	University of Akron
Kenyatta	Phelps*	Ph.D.	Bowling Green State University
Melissa	Phillips*	M.A.	Kent State University
JoDee	Phillips*	M.B.A.	Marylhurst University
Lisset	Pickens	Ed.D.	Nova Southeastern University
Robbie	Piel*	M.B.A.	Johnson & Wales University
Anne	Pieron*	J.D.	Rutgers, The State University of New Jersey
Hyppolite	Pierre*	M.S.	Southern Connecticut State University
Nadine	Pierre-Louis*	M.S.	Saint Thomas University
David	Pierson*	M.A.	Webster University
Paul	Pillitteri*	Ph.D.	Ohio University
David	Piltz*	D.B.A.	Nova Southeastern University
Renee	Pinder	M.S.	Palm Beach Atlantic University
Kathy	Pine	M.B.A.	Baker University
Pamela	Pine*	Ph.D.	University of Maryland
Clifton	Pingrey	M.S.	American Military University
Octavius	Pinkard*	M.A.	Old Dominion University
Jerome	Pionk	D.B.A.	Northcentral University
Maryam	Pirnazar*	M.P.H.	California State University - Long Beach
Carol	Pitman*	M.A.	University of Phoenix
Michael	Pittaro	M.P.A.	Kutztown University of Pennsylvania
Robert	Pittman*	Ph.D.	University of Phoenix
Anthony	Plana*	M.A.	University of Hawaii
Wendy	Plehn*	M.S.W.	University of Wisconsin - Milwaukee
Elizabeth	Plowman*	M.A.	University of Minnesota
Anne	Poe*	M.Ed.	University of West Georgia
Laura	Pogue*	D.Mgt.	University of Phoenix
Ann	Pohira-Vieth*	Ph.D.	University of Southern Mississippi
Katarzyna	Polanska	Ph.D.	University of Minnesota
Michael	Polich*	M.A.	Northern Illinois University

Darlene	Pomponio*	Ph.D.	Walden University
Martin	Ponti*	M.A.	University of Miami
Jean	Popovich*	Ph.D.	Indiana University of Pennsylvania
Connie	Porter*	Ed.D.	University of Phoenix
Lisa Marie	Portugal*	M.A.	University of Phoenix
Timmothy	Posey*	M.B.A.	Capella University
Alexander	Poster*	Ph.D.	The Ohio State University
Paul	Potter	M.B.A.	Strayer University
Jessie	Powell	M.A.	University of Kentucky
Marie	Powell*	M.B.A.	University of Phoenix
James	Powell*	M.S.	College of Charleston
David	Premo	M.S.	Boston University
Audrey	Prestonsoto*	D.M.	University of Phoenix
Carrie	Prettiman*	Ph.D.	Princeton University
Tim	Price*	Ph.D.	University of South Florida
Jonas	Prida*	Ph.D.	Tulane University
Lisa	Prince*	M.A.	Western Connecticut State University
Curtis	Proffitt*	Ph.D.	Capella University
Kristen	Przyborski*	Ph.D.	University of South Florida
Thomas	Pucci*	Ph.D.	The University of New Mexico
Renwick	Pulwarty*	Ed.S.	Georgia Southern University
Shelley	Pumphrey	M.A.S.	Johns Hopkins University
Jade	Pumphrey*	Ph.D.	Capella University
Eric	Puryear*	M.S.	Old Dominion University
Erica	Quarles*	M.S.	Towson University
Robin	Rabiner*	M.A.	The University of Tennessee
Janel	Rabinowitz*	M.A.	University of Central Florida
Christopher	Racek*	Ph.D.	Capella University
John	Radzilowski*	Ph.D.	Arizona State University
Adam	Rafalovich*	Ph.D.	The University of British Columbia
Kimberly	Raines*	Ph.D.	Auburn University
Anna	Rainey*	M.A.	University of Phoenix
Shirley	Rainey*	Ph.D.	The University of Tennessee
Caryn	Rakov*	M.A.	University of Phoenix
Sunil	Ram*	M.A.	University of Guelph
Ananda	Ramanathan*	Ph.D.	Oklahoma State University

Murali	Ramaswamy*	M.S.	The University of Texas - Dallas
Steven	Ramold*	Ph.D.	University of Nebraska - Lincoln
Joel	Ramsey*	M.A.	Northern Illinois University
Beverly	Ramsey*	Ph.D.	The University of Tennessee
Erich	Randall*	Ph.D.	Capella University
Lawrence	Randolph*	M.S.	Longwood University
Sherri	Rankin*	M.S.	Kansas State University
Sheila	Rapa*	Ph.D.	Carlos Albizu University
Gary	Rawlings*	M.P.A.	University of Hartford
Andre	Rawls*	Ph.D.	Argosy University - Chicago
Larry	Ray*	M.A.	The University of Mississippi
Syed	Raza*	Ph.D.	Nova Southeastern University
James	Ready*	D.B.A.	Walden University
Tommy	Rector	M.S.	Jackson State University
Brenda	Rector*	M.S.	Jackson State University
Mim	Redcay*	M.B.A.	Johns Hopkins University
Robert	Redding*	Ph.D.	The University of Southern Mississippi
Lori	Redman*	M.A.	Aston University
Dale	Reece	M.S.	Western Carolina University
Kenneth	Reed	M.S.	National University
Kenneth	Reed*	Ed.D.	University of Northern Colorado
Melissa	Reed*	M.A.	East Carolina University
Rhonda	Reed*	M.S.	Bowie State University
Hoke	Reed*	M.S.	Regis University
Daniel	Reed*	Ph.D.	The University of Tennessee - Knoxville
Lawrence	Reeves*	M.B.A.	University of Phoenix
Tana	Regan*	M.F.A.	National University
Breinne	Regan*	M.S.	University of Pittsburgh
Heather	Reid*	Ed.D.	University of Phoenix
Raymond	Reinhardt	M.A.	Morgan State College
Joseph	Reish*	M.A.	Radford College
Kelly	Reiss	Ph.D.	University of Florida
Tiffany	Reiss*	Ph.D.	Virginia Tech
Jerome	Reitano*	M.S.	Embry-Riddle Aeronautical University
Lesley	Remington*	M.S.	University of North Texas
Todd	Remusat*	M.A.	American Military University

Cassandra	Renzi*	M.S.	University of South Carolina
Jennifer	Repp	M.Ed.	Arizona State University
Tara	Requa*	M.A.	Western Washington University
Caroline	Rerucha	Ph.D.	University of Dublin
Kaci	Resau*	M.A.	American Military University
Tara	Revell	Ph.D.	Arizona State University
Matthew	Rhea*	Ph.D.	Arizona State University
Karen	Rhines	Ph.D.	Rutgers, The State University of New Jersey
Linda	Rhoades-Swartz	M.A.	Norwich University
Wayne	Rhodes*	Ph.D.	Saybrook University
John	Rhome*	D.Mgt.	University of Phoenix
Rebecca	Riall*	Ph.D.	Indiana University - Bloomington
Sanaa	Riaz*	Ph.D.	University of Arkansas
Timothy	Rice*	D.S.M.	United States Sports Academy
Joseph	Rice*	M.Ed.	Loyola College
Richard	Rice*	Ph.D.	The University of Michigan
Rob	Rice*	Ph.D.	University of Pennsylvania
Brian	Rich*	M.S.	The George Washington University
Lisa	Richard*	J.D.	New York Law School
Caroline	Richards	M.S.	Indiana University - Bloomington
Danielle	Richardson*	M.A.T.L.	The University of Southern Mississippi
Natasha	Richardson*	M.S.	University of Phoenix
Edrica	Richardson*	Ph.D.	Nova Southeastern University
Kenda	Rigdon*	Ph.D.	The University of Alabama - Birmingham
Angela	Riggs*	M.P.H.	Boston University
Melissa	Rigney	Ph.D.	University of Nebraska - Lincoln
Michele	Rigsby	M.Ed.	University of Missouri - Columbia
Ronald	Riker*	M.B.A.	University of Phoenix
Grace	Riley	Psy.D.	Argosy University
Lindsey	Riley*	M.A.	University of Nevada - Las Vegas
Julie	Riley*	M.S.	Mount Saint Mary College
Rebecca	Rist-Brown*	M.S.	University of New Haven
Aida	Rivera*	Ph.D.	Hofstra University
Orlando	Rivero*	D.B.A.	Argosy University - Sarasota
Kelly	Roach*	M.M.C.	Arizona State University
Diane	Roberts	M.B.A.	Anna Maria College

Kimberly	Roberts*	M.B.A.	Strayer University
Leigh	Roberts*	M.S.	Saint Michael's College
Erick	Rochette*	Ph.D.	The Pennsylvania State University
Anissa	Rodriguez*	Ph.D.	The University of Texas - Austin
Amy	Rofail	M.H.	Tiffin University
Gary	Rogers*	Ph.D.	Walden University
Bina	Roginsky*	Ph.D.	University of Hartford
Christine	Rogowski*	M.S.	Robert Morris University
Tara	Rohr*	M.S.N.	University of Phoenix
Laura	Rolen*	Ph.D.	Virginia Tech
Jonah	Romanitch*	M.B.A.	Florida State University
Elizabeth	Romano*	M.S.	George Mason University
John	Romanski*	Ph.D.	Johns Hopkins University
Peter	Ronayne*	Ph.D.	University of Virginia
John	Roou	M.S.	University of Wisconsin - Green Bay
Shanna	Rose*	J.D.	Nova Southeastern University
Norman	Rose*	Ph.D.	North Texas State University
John	Rosen*	M.A.	San Francisco State University
Evan	Rosenberg*	J.D.	Florida State University
Donna	Rosh*	Ph.D.	University of Pittsburgh
Brandy	Ross	M.A.	SUNY at Stony Brook
Patricia	Ross*	Ed.D.	University of Phoenix
Raymond	Ross*	M.A.	American Military University
Scott	Ross*	M.A.	American Military University
Tara	Ross*	Ph.D.	Keiser University
Garrett	Rossero*	M.B.A.	Norwich University
Nancy	Rossiter*	D.B.A.	Argosy University
Christian	Rossman*	M.A.	American University
Jacques	Roussellier*	M.A.L.D.	Tufts University
Jonathon	Rowles*	M.S.	Embry-Riddle Aeronautical University
Melody	Rowlett*	Ph.D.	The University of Oklahoma
Jean	Rowley*	M.S.	California State University - Long Beach
Janet	Rozick*	Ph.D.	University of Toledo
Andrew	Rudd*	Ph.D.	The University of Idaho
Theodore	Rueter	Ph.D.	University of Wisconsin - Madison
Paulina	Ruf*	Ph.D.	Western Michigan University

Kimberly	Ruff*	M.S.	George Mason University
Shavonne	Ruffin*	M.Ed.	American InterContinental University
Linda	Ruhe Marsh*	Ed.D.	University of Phoenix
Nicole	Runyon*	Ph.D.	Walden University
Kimberly	Rush	M.A.	Louisiana State University and A & M College
Drucilla	Russell	M.A.	Western Carolina University
Eric	Russell*	Ed.D.	Grand Canyon University
Brian	Russell*	M.S.	University of Illinois at Urbana-Champaign
Frank	Russo	Ph.D.	Kent State University
Charles	Russo	Ph.D.	University of Central Florida
Margaret	Rutter Foltz*	M.S.	University of Phoenix
Steve	Ryan	M.A.	The City College of New York
Erik	Saar*	M.P.P.	George Mason University
Jarrold	Sadulski*	M.A.	American Military University
Monica	Sainz*	D.S.M.	United States Sports Academy
Edward	Sakiewicz	Ph.D.	Capella University
Brian	Salmans*	Ph.D.	University of North Texas
Liticia	Salter*	M.A.	Texas A & M University
Kimberly	Sampson*	M.B.A.	East Carolina University
Miguel	Sanchez	M.S.	West Virginia University
Naomi	Sanderovsky*	Ph.D.	California Institute of Integral Studies
Jennifer	Sanders	M.A.	University of Missouri - Kansas City
Rodolfo	Santamaria*	M.B.A.	American InterContinental University
Richard	Sarabia*	D.B.A.	Argosy University
William	Sas*	J.D.	The Catholic University of America
Kristin	Sawicki	A.L.M.	Converse College
Thomas	Sawicki*	Ph.D.	Old Dominion University
Lisa	Saye*	D.P.A.	The University of Alabama
Asila	Sayed*	Ph.D.	Colorado Technical University
Pamela	Scales*	D.B.A.	Phoenix University
Joseph	Scalzo*	Ph.D.	University of Rochester
Stephen	Schabel*	M.S.	College of Charleston
Tambria	Schaefer	M.A.	Wayne State University
Victoria	Schmidt	Ph.D.	California Coast University
Alana	Schneider*	M.S.Ed.	Elmira College
Gerard	Schnell*	M.A.	Providence College

Melissa	Schnyder	Ph.D.	Indiana University
James	Schoeck*	M.S.	Air Force Institute of Technology
Brenda	Schramm*	M.S.W.	Cincinnati University
Richard	Schultz*	Ph.D.	University of Cincinnati
Charles	Schulz*	M.S.	Johns Hopkins University
Elke	Schwartz*	M.A.	East Carolina University
Jeremy	Schwehm*	Ph.D.	The University of Georgia
Christina	Schweiss*	M.I.A.	Columbia University
Carol	Scott	M.A.	Bowie State University
Miranda	Scott	M.A.	Georgia Southern University
Christina	Scott*	M.A.	Western Washington University
Robert	Scott*	M.S.	Texas A & M University
Melissa	Scranton*	M.Ed.	Missouri State University
Glaucio	Scremin*	Ed.D.	United States Sports Academy
Bryan	Scyphers*	M.Ed.	The University of North Carolina
Robert	Seal*	Ph.D.	The University of Michigan
Yolonda	Seals-Weathers*	M.A.	Our Lady of Holy Cross College
Jay	Searles*	M.S.	The South Dakota School of Mines and Technology
Elizabeth	Sears*	M.A.	The University of Texas - Austin
Earnell	Seay*	D.B.A.	Argosy University
Melissa	Sedita*	M.A.	The University of Texas - El Paso
Nicholas	Sedita*	M.A.	University of Texas at El Paso
Elaine	Sedore*	Ph.D.	Adler School of Professional Psychology
Linda	Seeger*	M.S.M.	Iowa State University
Lisa	Sehannie*	M.S.	Kennesaw State University
Cecilia	Selbrede*	J.D.	Rutgers, The State University of New Jersey
Robert	Sellani*	D.B.A.	Nova Southeastern University
Shawn	Sessa*	M.S.	West Virginia University
Trevor	Setvin*	M.S.	Illinois State University
Maureen	Sevigny*	Ph.D.	University of Maryland
Lawrence	Sexton*	M.A.	Michigan State University
Javad	Seyed*	Ph.D.	North Carolina State University
Donald	Shaffer*	Ph.D.	University of Maryland
Fereidoon	Shahrokh	Ph.D.	West Virginia University
Iman	Shahrokh*	M.B.A.	University of Wollongong in Dubai
Katayoon	Shahrokh*	M.D.	University of Maryland, Baltimore County

Soosan	Shahrokh*	Ph.D.	West Virginia University
Ibrahim	Shakoor*	M.A.	The University of Chicago
Rohin	Sharma*	M.A.	Georgetown University
Danielle	Sharon*	M.A.	Barry University
Gholam	Shaykhian*	Ph.D.	Florida Institute of Technology
Debra	Sheffer*	Ph.D.	University of Kansas
Hazar	Shehadeh*	Ph.D.	Northcentral University
Holly	Shenefelt	M.A.	Regis University
Mishelle	Shepard*	M.A.	Arizona State University
Gary	Shepard*	M.S.	Mountain State University
Robert	Sherard*	M.S.	Montana State University
Michael	Sherfy*	Ph.D.	University of Illinois at Urbana - Champaign
Deborah	Sherman*	Ed.D.	University of Mississippi
Joel	Shields	M.A.	Southern Illinois University - Carbondale
Mohsen	Shirani*	Ed.S.	Tennessee State University
Jeffrey	Shirkey*	Ph.D.	The University of Chicago
Matthew	Shockey*	M.A.	Millersville University
Eric	Shoemaker*	M.S.	Virginia Commonwealth University
Barry	Shollenberger	Ed.D.	The University of Alabama
Laura	Short*	M.A.	Webster University
Bethanne	Shriner*	Ph.D.	Florida State University
Kathleen	Shriver	D.B.A.	Northcentral University
Christian	Shuler*	J.D.	Georgetown University
Angela	Shumaker*	M.P.H.	Loma Linda University
Clifton	Shuman*	M.S.	Trident University International
Jerome	Sibayan*	Ph.D.	Kansas State University
Rebecca	Siceloff*	D.B.A.	The National Graduate School of Quality Management
Elizabeth	Siewert*	M.S.	University of Wisconsin - Madison
Linda	Silva	M.A.	American Public University
Cathy	Silverman	M.F.A.	California Institute of the Arts
Brett	Simmermacher*	D.S.M.	United States Sports Academy
Rodney	Simmons*	M.S.	Troy University
James	Simmons*	Ph.D.	The University of Texas - Arlington
Thomas	Simon*	Ph.D.	University of Illinois at Chicago
Diamond	Simpson Prothro*	J.D.	Wayne State University
Julie	Simpson*	J.D.	DePaul University

Tara	Simpson*	M.A.	Norwich University
Dean	Sinclair*	Ph.D.	Louisiana State University and A & M College
Don	Sine	Ph.D.	University of Maryland - College Park
Jason	Siniscalchi*	Ph.D.	West Virginia University
Donald	Sipp*	M.B.A.	University of Phoenix
Alec	Sithole*	Ph.D.	Portland State University
Anna	Sitzman*	M.A.	University of Northern Iowa
Stephanie	Skwiers*	M.S.	Western Michigan University
Stephen	Sledge*	Ph.D.	George Mason University
Amy	Sloan*	M.A.	The University of Tennessee - Knoxville
George	Slone*	M.A.	Middlebury College
Jonathan	Small*	D.B.A.	Argosy University
Stephen	Small*	Ph.D.	The Union Institute
Robert	Smith	J.D.	West Virginia University
Curtis Brandt	Smith	Ph.D.	Capella University
Mittie	Smith*	Ed.D.	Northcentral University
Daniel	Smith*	J.D.	Georgetown University
Jamie	Smith*	J.D.	The George Washington University
Emily	Smith*	J.D.	The University of Alabama
Gary	Smith*	M.A.	Texas Tech University
Schanta	Smith*	M.B.A.	Keller Graduate School of Management
Jane	Smith*	M.Div.	University of Notre Dame
Jeremy	Smith*	Ph.D.	Capella University
Jason	Smith*	Ph.D.	Texas A & M University
Jacqueline	Smith*	Ph.D.	University of Maryland - College Park
Scott	Smith*	Ph.D.	University of Missouri - Columbia
Christopher	Smith*	Ph.D.	University of Virginia
Gregg	Smith*	Ph.D.	University of Washington
Jennifer	Smolka*	Ph.D.	University of North Texas
Natalya	Snow	J.D.	The University of Alabama
Kenneth	Snow	M.B.A.	Florida Institute of Technology
Kyle	Snyder*	M.P.S.	The Pennsylvania State University
Albert	Socci*	D.B.A.	Nova Southeastern University
James	Sofka*	Ph.D.	University of Virginia
Matthew	Sokol*	M.S.	University of Nevada - Las Vegas
Carlos	Soltero	M.S.	Troy University

Julie	Song*	Ph.D.	University of California - Irvine
LaKeisha	Souter*	M.S.	Regis University
Nancy	Spahr*	M.B.A.	Bentley University
Janice	Spangenburg*	Ph.D.	Regent University
Delena	Spann*	M.S.	Florida International University
Joseph	Spedaliere*	Ph.D.	Indiana University of Pennsylvania
William	Speer*	M.A.	American Military University
Jan	Spencer	Ph.D.	Regent University
Jared	Spencer*	M.S.	Robert Morris University
Sara	Spivey*	M.C.J.	American Military University
Christina	Spoons*	Ph.D.	Walden University
Mark	Spreizer*	M.S.	California University of Pennsylvania
Dawn	Spring	Ph.D.	University of Cincinnati
Teresa	Springer*	M. Ed.	The Pennsylvania State University
Kennard	Sproul*	M.D.	Southern Illinois University - Carbondale
Erica	St Germain	Psy.D.	Widener University
Jennifer	Stacey*	Ph.D.	The University of Alabama
Adrienne	Stafford*	M.P.A.	University of Utah
Adrienne	Stafford*	Ph.D.	The New School
Rebecca	Stahl*	M.D.	University of Wisconsin - Madison
Jennifer	Staley*	M.A.	Marymount University
Janet	Stallard*	M.A.	Appalachian State University
Jody	Stallings*	M.A.	College of Charleston
Sean	Stanley*	D.B.A.	Walden University
Joshua	Stanley*	Ed.D.	Argosy University
Marisea	Stanley*	M.A.	University of San Diego
Jerry	Stanphill*	M.P.A.	City University
Louise	Stanton*	Ph.D.	Rutgers, The State University of New Jersey
James	Starcher*	J.D.	Thomas M. Cooley Law School
Neil	Starr*	Ed.D.	Nova Southeastern University
Janet	Stebbins*	M.A.	Wayne State University
Christina	Steele*	D.C.S.	Colorado Technical University - Colorado Springs
John	Steele*	J.D.	Cleveland State University
Elizabeth	Steere*	Ph.D.	The University of Georgia
Gabriela	Stelcikova	M.A.	Norwich University
Glenn	Stephens*	Ph.D.	University of California - Los Angeles

Brenda	Stewart*	J.D.	Fordham University School of Law
Douglas	Stewart*	M.A.	Texas State University
Deidre	Stewart*	M.S.	Howard University
Jonathan	Stewart*	M.S.	Mountain State University
Thane	Stielow*	M.S.	University of Maryland
Martha	Stillman	Ph.D.	Graduate Theological Union
Donald	Stimely*	M.A.	Webster University
Michael	Stine*	Ph.D.	Michigan State University
Nikkole	Stites*	M.B.A.	Keller Graduate School of Management
Ledrew	Stocks*	Ph.D.	Kent State University
Kathy	Stolley*	Ph.D.	The George Washington University
Blake	Stone*	J.D.	Northern Illinois University
Ian	Storey*	M.A.	Central Michigan University
Matthew	Stork	M.S.	Embry-Riddle Aeronautical University
Diane	Stottlemeyer*	Ph.D.	Northcentral University
Donna	Strahan*	M.S.	University of North Carolina
Dawn	Strauss Berta*	D.C.	Palmer College of Chiropractic
Lon	Strauss*	Ph.D.	The University of Kansas
Amy	Stringer*	Ph.D.	The University of North Carolina
Gordon	Strong*	Ed.D.	United States Sports Academy
Gary	Stroud*	Ph.D.	Capella University
Thomas	Stuart*	A.E.E.	Naval Post Graduate School
Christine	Stuart*	M.S.	Walden University
Jennifer	Sturge*	M.Ed.	Mansfield University
Georgios	Stylianides*	Ph.D.	University of Toledo
Minzi	Su*	Ph.D.	Portland State University
Beth	Subero*	M.A.	University of Utah
Marlon	Sukal*	Ph.D.	Alliant International University
Michael	Sullivan*	M.A.	American Public University
Traci	Sumner	M.A.	California State University - Stanislaus
Tamrala	Swafford*	Ph.D.	Arizona State University
Chalmer	Swanson*	M.B.A.	University of Phoenix
Erick	Swartz*	Ph.D.	Boston College
Diana	Swezy*	Ed.D.	University of Kansas
Stacy	Swinton*	J.D.	Howard University
Karen	Sykes	M.Ed.	University of Nebraska

David	Syndergaard	M.S.	New Mexico State University
Sarah	Syrjanen*	M.A.	Kent State University
Jennifer	Szemborski*	M.A.	Shepherd University
Brian	Szumsky*	M.A.	DePaul University
Bruce	Taggart*	Ph.D.	University of Puerto Rico
Terri	Tallon*	Ph.D.	Walden University
Shenita	Talton*	M.S.	Bowling Green State University
Carlo	Tannoury*	M.S.	Bellevue University
Christopher	Tatarka*	Ph.D.	Northcentral University
Corinne	Tatum	M.A.	National University
Martin	Tawil*	Ph.D.	Northcentral University
Kevin	Taylor	M.A.	Naval Postgraduate School
Ashley	Taylor	M.B.A.	University of Phoenix
Lillian	Taylor*	M.F.A.	National University
Malcolm	Taylor*	Ph.D.	Arizona State University
Felicia	Taylor*	Ph.D.	University of Florida
Nancy	Taylor*	Ph.D.	Washington University in St. Louis
Katrena	Taylor-Springs*	M.S.	Capella University
Kara	Teague*	M.S.	University of South Florida
Danielle	Templeton*	Ph.D.	University of Minnesota
Michael	Terry*	M.A.	University of North Dakota
Pamela	Terry*	Ph.D.	Southern Illinois University - Carbondale
John	Terzynski	M.S.E.	University of Wisconsin - Oshkosh
Evelyn	Terzynski*	M.S.Ed.	University of Wisconsin - Oshkosh
Elaine	Testerman*	M.A.	Appalachian State University
Debra	Tetting*	Ph.D.	Capella University
John	Theodore	Ph.D.	University of Kansas
Jeremy	Thiel*	M.S.	Central Michigan University
Charles	Thies*	M.S.	University of Denver
Kenyetta	Thigpen*	Ph.D.	Capella University
Kris	Thoemke*	Ph.D.	University of South Florida
Derrick	Thomas*	J.D.	Stetson Law
Patricia	Thomas*	M.P.A.	Long Island University
Reshowrn	Thomas*	Ph.D.	Capella University
Michael	Thomas*	Ph.D.	The University of Texas - San Antonio
Glenn	Thomas*	Ph.D.	University of South Carolina

Carmen	Thomas-Browne*	Ph.D.	Robert Morris University
Jean-Claude	Thomassian*	Ph.D.	The University of Toledo
Julie	Thompson	Ph.D.	University of Oregon
Jennifer	Thompson*	M.A.	American Military University
Jason	Thompson*	M.A.	Iowa State University
Kathryn	Thompson*	M.S.	The University of Southern Mississippi
Benjamin	Thompson*	Ph.D.	Walden University
Michael	Thornal	M.B.A.	Fairleigh Dickinson University
Robert	Thornett*	M.S.	George Mason University
Heather	Thornton	Ph.D.	Louisiana State University and A & M College
Terrence	Threadwell*	D.Min.	Pentecostal Theological Seminary
Channa	Threat*	M.S.	George Mason University
Anne	Thurmer*	M.A.	Winona State University
Alan	Tillquist*	D.B.A.	Nova Southeastern University
Lynda	Tinker*	M.A.	Georgia Southern University
Valorie	Titus*	Ph.D.	Binghamton University
Valerie	Tober*	Ed.S.	Liberty University
Curtis	Todd*	Ed.D.	Argosy University
Yana	Todorova*	Ph.D.	Texas Tech University
Frederic	Torimiro*	Ph.D.	University of Missouri - Columbia
Paul	Toro*	M.A.	Vermont College of Norwich University
Robert	Tovar*	M.A.	University of Chicago
Michelle	Towne*	M.S.	University of Phoenix
Frank	Trapp*	Ph.D.	Florida State University
Letitia	Trent*	M.F.A.	The Ohio State University
Melissa	Trevathan*	Ph.D.	University of Houston
Jeanne	Trimble*	Ph.D.	Cornell University
Mitchell	Tropin*	M.A.	John Hopkins University
Ashley	Trunko*	M.A.	Kent State University
Rosella	Tucker*	M.S.	University of Edinburgh
Saran	Tucker*	Ph.D.	University of California - Irvine
Elvis	Tull*	M.B.A.	William Carey University
Jordan	Turek*	M.S.	Capitol College
John	Turner*	Ed.S.	Northcentral University
James	Turner*	M.A.	Mississippi State University
Corey	Tutor	M.Div.	Southeastern Baptist Theological Seminary

Jennifer	Tutor*	M.A.	Southeastern Baptist Theological Seminary
Monique	Tuyisenge-Onyegbula*	M.I.A.	Columbia University in The City of New York
Stephen	Twing*	Ph.D.	University of South Carolina
Jonathan	Tyler*	M.S.	Brigham Young University
Melinda	Tyler*	M.S.	The Pennsylvania State University
Jennifer	Tyrrell*	M.S.	College of Charleston
Nicholas	Tzakis*	M.Ed.	National University
Chizoba	Udeorji*	Ph.D.	Howard University
Daniel	Udo-Akang*	M.S.	Bellevue University
Daniel	Udo-Akang*	Ph.D.	Northcentral University
Patricia	Ukaigwe*	Ph.D.	Fairleigh Dickinson University
Randon	Ullrich*	M.A.	Webster University
Stephen	Ulrich*	M.F.A.	National University
Augustine	Umezurike*	Ph.D.	Capella University
Anthony	Underhill*	M.B.A.	American Military University
Cindy	Underhill*	M.S.L.S.	The Catholic University of America
Aubrey	Underwood*	Ph.D.	Georgia State University
Mario	Vaccari*	Ph.D.	Phoenix University
Jamiel	Vadell*	Ph.D.	Capella University
Heather	Valdes*	J.D.	St. Thomas University School of Law
Adam	Valencic	M.A.	Washington University in St. Louis
Joseph	Van Gaalen*	Ph.D.	University of South Florida
Vincent	Van Ness*	M.S.	University of Central Florida
Geoffrey	Vanderpal*	D.B.A.	Nova Southeastern University
Valerie	Vann*	D.B.A.	Argosy University
Riccardo	Vargas*	M.P.A.	Golden Gate University
Irvin	Varkonyi*	M.B.A.	Thunderbird, The Garvin School of International Management
Theodore	Vassiliadis*	M.S.	University of Illinois at Chicago
Brandon	Vaughn*	Ph.D.	Florida State University
Kathleen	Veaudry*	M.S.N.	Capella University
Karen	Vellekamp*	M.S.	University of New Hampshire
Vijay	Venkatesh*	Ph.D.	Capella University
Charles	Venuto*	M.S.	Rensselaer Polytechnic Institute
Anne	Venzon	Ph.D.	Princeton University
Christopher	Verch*	M.A.	Bellevue University
Rhonda	Verdegan*	Ph.D.	Capella University

Marcus	Verhaegh*	Ph.D.	Emory University
Chapla	Verma	Ph.D.	Magadh University - India
Mary	Vermillion*	Ph.D.	Texas A & M University
Fianna	Verret*	M.A.	Norwich University
Stephen	Verrill*	Ph.D.	South Florida University
Pamela	Vestal*	M.S.	National Defense Intelligence College
Josef	Vice*	M.A.	Jacksonville State University
Shirley	Vigil	Ph.D.	The University of Alabama - Huntsville
Robert	Vilardi*	M.Ed.	Auburn University at Montgomery
Marlene	Villeneuve-Lindemann*	J.D.	St. John's University - New York
Margaret	Vivoda*	Ph.D.	University of Phoenix
Joseph	Vollenberg*	M.A.	Norwich University
Shannon	Voyles	Ed.D.	Northcentral University
Keith	Wade	Ph.D.	Michigan State University
Joseph	Wade*	J.D.	Widener College
Jeannette	Wade*	M.A.	The University of Akron
Donna	Wade*	M.B.A.	Northwest Nazarene University
Lori	Wagner*	M.S.N.	St. Francis Medical Center College of Nursing
Ray	Walker*	M.A.	Chapman University
Joseph	Walker*	Ph.D.	Purdue University
Thomas	Walker*	Ph.D.	University of New Mexico
Donna	Wall	M.S.	University of Texas at Tyler
Diallo	Wallace*	M.S.	Naval Postgraduate School
Sarah	Wallace*	M.S.	Walden University
Ronnie	Wallace*	Ph.D.	Capella University
Lisa	Wallace*	Ph.D.	Loyola University - Chicago
Jason	Wallin*	M.C.J.	Boston University
Barry	Walls	M.B.A.	Strayer University
Katrina	Walls*	M.A.	The University of Toledo
Stephanie	Walsh*	M.Ed.	Harvard University
Cassandra	Walston*	M.A.	North Carolina Central University
Jingfang	Wang	Ph.D.	George Mason University
Yongge	Wang*	M.S.	Nankai University
Shun-Yung	Wang*	Ph.D.	Florida State University
Samantha	Ward*	J.D.	University of Missouri - Columbia
Thomas	Ward*	Ph.D.	The University of Southern Mississippi

Brian	Warnecke*	M.A.	Western Governors University
William	Wasmundt	M.A.	University of Illinois at Springfield
Darren	Waters*	J.D.	Northwestern School of Law
Robert	Watkins*	Ph.D.	University of Cincinnati
Patricia	Watson*	M.B.A.	Kennesaw State University
Philip	Watts	M.A.G.	New Mexico State University
Valerie	Watts*	M.A.	The University of Georgia
Leslie	Weatherly	M.A.	Marymount University
Marlene	Weaver	M.B.A.	Marymount University
Kelly	Weaver*	M.S.	The University of Tennessee
Brent	Webber	M.B.A.	The College of Insurance
Brian	Weber	M.A.	Norwich University
James	Weber*	M.S.	University of Central Florida
Jesse	Webster*	M.A.	American Military University
Heidi	Weiman*	M.A.	Northeastern Illinois University
Batya	Weinbaum*	Ph.D.	University of Massachusetts
David	Weischadle*	Ed.D.	Rutgers, The State University of New Jersey
George	Weisgerber*	M.B.A.	American InterContinental University
Dena	Weiss	M.S.	Virginia Commonwealth University
Margo	Weiss*	Ph.D.	Nova Southeastern University
Robert	Weisskirch*	Ph.D.	University of California - Davis
Ivan	Welch	Ph.D.	University of Kansas
John	Welch*	M.A.	American Military University
Michael	Wells*	D.Min.	Emory University
Michael	Wells*	M.Div.	Emory University
Adrian	Welsh*	M.S.	Utah State University
Jeffrey	Wendt*	M.B.A.	University of Dallas
Marc	Wenner*	M.A.	Old Dominion University
James	Wenzel*	M.S.	University of Wyoming
Christopher	Weppler*	M.S.	University of Maryland University College
James	Werbaneth	M.A.	Duquesne University
Kelly	Werder*	J.D.	Suffolk University Law School
Thomas	Werner*	M.A.	Webster University
Mark	Wessner*	Ph.D.	University of Pretoria
Gregory	West*	M.E.S.	Loyola University - Maryland
Benjamin	West*	Ph.D.	Indiana University of Pennsylvania

Donald	West*	Ph.D.	North Carolina State University
Christine	Weston*	M.S.	University of Phoenix
Valencia	Westray-Miller*	Ph.D.	Capella University
Elizabeth	Wharton	M.A.	Holy Names University
Phyllis	Whealon*	M.B.A.	California State Polytechnic University
Chad	Wheaton*	Ph.D.	Syracuse University
Thomas	Wheeler*	M.A.	Eastern New Mexico University
Amy	Wheeler*	M.S.	Eastern Kentucky University
Brannon	Wheeler*	Ph.D.	The University of Chicago
Deborah	Wheeler*	Ph.D.	The University of Chicago
Stephen	Whitaker*	M.A.	University of Cincinnati
Catherine	White*	M.B.A.	University of Phoenix
Ivory	White*	M.B.A.	Webster University
David	Whitehouse	M.M.	Northwestern University
William	Whitley	D.Ed.	The University of Alabama
Jennifer	Whitley*	M.B.A.	DeVry University
Valjean	Whitlow	Ph.D.	Southern Illinois University - Carbondale
Albert	Whittenberg*	Ph.D.	Middle Tennessee State University
Molly	Whitworth*	Ph.D.	Johns Hopkins University - Bloomberg School of Public Health
Francis	Wiafe-Amoako*	Ph.D.	Howard University
April	Wick	M.Ed.	Marymount University
Todd	Wiggen*	M.S.	National Defense Intelligence College
Joan	Wilder*	M.S.	Rosemont College
Helen	Wilkins*	M.A.	West Virginia University
Mandie	Willey*	M.A.	Central Michigan University
Robyn	Williams*	Ed.D.	Argosy University
Angela	Williams*	J.D.	The George Washington University
Jennifer	Williams*	M.A.	Bowling Green State University
Jennifer	Williams*	M.A.	University of Kentucky
Paulette	Williams*	M.B.A.	American InterContinental University
Donald	Williams*	M.B.A.	Webster University
Rita	Williams*	M.S.	Troy University
Teresa	Williams*	Ph.D.	Argosy University
Charlie	Williams*	Ph.D.	Capella University
Julia	Williams*	Ph.D.	Capella University
Stacie	Williams*	Ph.D.	Florida State University

Andre	Williams*	Ph.D.	Walden University
Karen	Williams-Jones*	M.A.	Purdue University
Kristin	Williams-Washington*	Ph.D.	Argosy University
Michael	Willis	Ph.D.	Walden University
Erica	Willis*	M.B.A.	Troy University
Craig	Wilsman*	M.S.	Western Illinois University
Christopher	Wilson*	M.S.	Oklahoma State University
Robert	Wilson*	Ph.D.	Purdue University
Glen	Winters*	J.D.	The University of Oklahoma
Gary	Withers*	M.B.A.	University of Oregon
Anton	Wohlers*	Ph.D.	Northern Illinois University
Pamela	Wojnar	Ed.D.	United States Sports Academy
Bernard	Wolf*	M.A.	American Public University System
Nyla	Wolfgang	M.A.	University of Rochester
Robert	Wolverton	Ph.D.	University of New Mexico
Chika	Wonah*	D.M.	University of Phoenix
Frank	Wood*	D.B.A.	Nova Southeastern University
Jennifer	Wood*	J.D.	Northeastern University
Kathy	Wood*	Ph.D.	Capella University
Tracey	Woodlief*	Ph.D.	East Carolina University
Keith	Woodman*	Ph.D.	Old Dominion University
Brett	Woods	Ph.D.	University of Essex
Larry	Woods*	Ph.D.	Capella University
David	Woodworth*	J.D.	The George Washington University
Steven	Woodworth*	Ph.D.	Rice University
Tammy	Woody*	Ed.D.	West Virginia University
Joshua	Work*	M.A.	American Military University
Rick	Woten*	Ph.D.	Iowa State University
Pamela	Wright*	M.Ed.	Alabama State University
Phillip	Wright*	M.M.A.S.	U. S. Army Command and General Staff College
Dale	Wright*	M.S.	Air Force Institute of Technology
Michelle	Wright*	Ph.D.	DePaul University
Xiaodong	Wu	Ph.D.	Princeton University
Kandis	Wyatt*	D.P.A.	Nova Southeastern University
Kathryn	Wyatt*	M.A.	Northern Arizona University
Paula	Wylie	Ph.D.	University College Cork, National University of Ireland

Steven	Wyre*	Ed.D.	University of Phoenix
Aydogan	Yanilmaz*	M.A.	Hacettepe University
Roy	Yarbrough*	Ed.D.	The University of North Carolina at Greensboro
Nabeel	Yaseen*	Ph.D.	Indiana University of Pennsylvania
Andre	Yefremian*	M.A.	California State University
Mark	Yeisley*	Ph.D.	Duke University
John	Yelvington*	D.B.A.	Nova Southeastern University
Rosalie	Yezbick	M.A.	University of Illinois at Springfield
Daniel	Yezbick*	Ph.D.	University of Illinois at Urbana
Terence	Yi*	Ph.D.	Northcentral University
Eric	Yocam*	D.B.A.	University of Phoenix
Heather	York*	M.A.	The University of Oklahoma
Robert	Young	Ph.D.	CUNY - The Graduate School and University Center
Danette	Young*	Ed.D.	Nova Southeastern University
Michelle	Young*	J.D.	Brigham Young University
Nicholas	Young*	M.A.	Indiana University - Purdue University
David	Young*	M.B.A.	The College of William & Mary
Yolander	Youngblood*	Ph.D.	University of Florida
Eric	Zacharias*	M.Div.	Concordia Seminary
Caroline	Zapor*	M.A.	Simon Fraser University
Carol	Zavarella*	Ph.D.	University of South Florida
Emma	Zeigler-Prather*	Ed.D.	Nova Southeastern University
Carly	Zeller*	M.F.A.	Pacific University Oregon
Deborah	Zeringue*	M.A.	The University of North Carolina at Greensboro
Christie	Zgourides*	M.A.	Portland State University
Maryann	Zihala*	M.A.	The Catholic University of America
Ronald	Zimmerman*	M.S.	California State University - East Bay
David	Zipin*	J.D.	Rutgers, The State University of New Jersey
Melinda	Zupon	M.A.	American Military University

* = Part Time

Course Materials

The APUS undergraduate course materials grant provides textbooks and other course reading material for all undergraduate students seeking academic credit. This grant is awarded upon admission with the expectation that students will successfully complete their course(s) each semester. Course materials are ordered from our vendor (ED MAP) after tuition payment (TA, FSA, check) has been received. Course materials are shipped within the timeframes listed in the Student Handbook. Military TA students serving overseas who have successfully completed previous courses with APUS will have their course materials ordered at the time of course registration, not at time of payment, to ensure that their materials can be released within the 35-day timeframe listed in the Student Handbook.

APUS provides course materials in a variety of formats. Most courses use electronic textbooks (eBooks) which are available from ED MAP, the APUS Online Library, the electronic classroom, websites, or elsewhere as identified by the course instructor.

Please note that course materials are not provided for students who are auditing courses. Audit students may obtain course materials through the bookstore of their choice.

If a student withdraws from a course, they should re-register for the course within six months or they may incur the cost of the course materials.

Students are encouraged to read the [Course Materials section in the Student Handbook](#) for additional course materials policy information.

Students should contact books@apus.edu for questions or for additional assistance concerning their course materials.

Online Library

Resources for Student Success

The AMU/APU Online Library provides an award-winning reflection of a new era in information services, as well as friendly human faces for University's students and faculty members. The best of tradition now combines with the newest forms of education on the Information Highway.

Available to students and faculty 24/7, the Library contains millions of pages of books and scholarly articles licensed from the Deep Web. These are joined by our expert-selected "trusted" selections from the free, or Open Web, as well as an array of specialized research tools and tutorial assistance. Moreover, the site is designed for the cutting-edge of Information Literacy--a budding range of skills required for scholarly success and advanced employ of the Web. Such assets are built by arguably the finest group of subject- and Web-specialist librarians in Online Education.

Research Resources

- **Article/Scholarly Journal Databases:** The strength of the Library is an accumulation of multi-year runs of approximately 58,000 scholarly journals. Such specialized literature sits at the heart of university research, and its use is a vital part of your learning curve as a college student/scholar.
- **Books:** The Library has assembled a growing collection of primarily electronic books. Currently numbering just under 190,000, these holdings are focused on the University's educational programs. They include a small collection of land-based holdings with concentration on the School's specializations in Intelligence, Military History, and Military Studies.
- **Departmental Study Portals/Course Guides:** Librarians work with faculty to create innovative Study Portals. These are designed to help launch scholarly and advanced research in our Deep Web holdings and the Open Web. Moreover, the Portals open to hundreds of electronic pathfinders that are tailored to specific courses.
- **InterLibrary Loan (ILL):** If unable to find needed research materials, Librarians will hunt and request those.

TEXTBOOKS/COURSE MATERIALS: The Online Library works in tandem with Bookstore operations in what is a nationally leading model for Course Materials and an evolving switch to fully electronic classes. This transition is in keeping with other online universities, but carefully orchestrated over several years and with allowances for overseas military students and those with bandwidth problems. It reflects APUS commitment and struggle to continue to maintain low tuition costs and grant free course materials for its undergraduates--even in the face of extreme textbooks inflation.

TUTORIAL CENTER/STUDY HELP: Students are also provided a portal to an array of self-help tools, career center, and tutorials--including access to individual tutors. The Tutorial Center provides Style Manual pages along with examples of syllabuses, other student papers and masters' theses--as well as links to the campus radio station, Web 2.0, and other advanced applications.

Learning Outcomes and Assessment

The American Public University System (APUS) has adopted the Lumina Foundation's Degree Qualifications Profile (DQP) framework across its associate, bachelors, and master's degree programs. The DQP framework illustrates students' expected knowledge and skill set upon earning a degree. Based on more than a decade of research across all levels of higher education, the framework defines expected learning outcomes that all graduates need regardless of academic specialization.

The DQP framework is aligned with APUS's mission of providing a quality higher education while preparing students for service and leadership in a diverse, global society. To ensure that AMU and APU students are prepared for success, student learning outcomes are defined at three levels: institutional (outlined in this catalog); degree program (identified in the degree program descriptions on the AMU/APU websites); and course (identified in the syllabi for each course) levels.

Institutional Student Learning Outcomes

AMU and APU students are expected to demonstrate proficiency in the following learning areas upon completion of any academic program in any discipline:

- Applied learning is used by students to demonstrate what they can do with what they know.
- Intellectual skills are used by students to think critically and analytically about what they learn, broadening their individual perspectives and experiences.
- Specialized knowledge is the knowledge students demonstrate about their individual fields of study.
- Broad knowledge transcends the typical boundaries of students in the first two years of higher education and encompasses all learning in broad areas through multiple degree levels.
- Civic learning is that which enables students to respond to social, environmental and economic challenges at local, national and global levels.
- Digital Information Literacy is concerned with responsibly, safely, ethically, effectively and efficiently accessing, evaluating, collaborating, organizing, and distributing information in the digital world. It includes using tools, technologies, techniques, and best practices, to develop responsible and safe consumers and communicators of information in the digital information world to support research and to solve real world problems.

Program Level Student Learning Outcomes

AMU and APU students are expected to achieve student learning outcomes at the **degree program level** upon graduation from a particular degree program. Student learning at the degree program level is assessed through end-of-program capstone experiences to ensure the student has achieved proficiency of the knowledge and skills expected of a professional in the respective discipline. Signature assessments, standardized tests, and rubrics are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the degree program level.

Course Level Student Learning Outcomes

AMU and APU students are expected to achieve **course level** student learning outcomes upon completion of a course. Course developed exams, simulations, case studies, discussion boards, collaborative research projects, and writing assignments are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the course level.

Assessment of Student Learning Outcomes

APUS is committed to student learning assessment and its impact on the quality of teaching and learning. The learning outcomes assessment program at APUS:

- Provides students with useful information about their current skills, knowledge, and competencies.
- Enables the university to evaluate the effectiveness of its academic courses and programs in terms of achieving the desired learning outcomes for its students.
- Is used for continuous improvement at all levels of the institution.

- Ensures that students are prepared for success in work and citizenship in a diverse, global society.

APUS uses a variety of direct and indirect assessment measures to evaluate student learning and improve the quality of teaching and learning at the undergraduate and graduate levels. The assessment of student learning at APUS is guided by the student learning outcomes posted in the catalog, AMU/APU websites, and courses. Student learning outcomes assessment is conducted at the institutional, degree program, and course level, whereby each level is aligned and designed to complement each other; providing a comprehensive view of student learning and the effectiveness of academic programs.

Students are required to participate in learning outcomes assessment activities at APUS and will be given adequate notice of any course and/or non-course related assessment activities they are responsible for completing. APUS is committed to protecting the privacy of its students including ensuring the confidentiality of student work submitted for assessment as well as the feedback resulting from assessment activities. For more information, the APUS [Learning Outcomes Assessment website](#) establishes the framework for the conduct of student assessment across the institution.

Student Learning/Competency Areas

- **Broad knowledge** of disciplines and fields outside the major
- **Specialized knowledge** in a major
- **Applied learning** – using what is learned in the real world
- **Intellectual skills** – thinking critically
- **Civic learning** – using studies to influence the world
- **Digital information literacy** in the internet age

Associate level, the student:

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Knowledge acquired in a specialized field of study	Knowledge acquired in general education fields	Identifies, categorizes and distinguishes among ideas, concepts, theories and practical approaches to problems. (Analytic inquiry)	Describes in writing a case in which knowledge and skills acquired in academic settings are applied to a challenge in a non-academic setting; evaluates the learning gained; and analyzes a significant concept or method related to the course of study in light of learning from outside the classroom.	Describes his or her own civic and cultural background, including origins, development, assumptions and predispositions.	Summarize security, privacy, ethical, and legal issues related to the digital world
Describes the scope and principal features of the field of study, citing core theories and practices, and offers a similar explication of a related field.	Describes how existing knowledge or practice is advanced, tested and revised.	Identifies, categorizes and appropriately cites information for an academic project, paper or performance. (Use of information resources)	Locates, gathers and organizes evidence on an assigned research topic addressing a course-related question or a question of practice in a work or community setting; offers and examines competing hypotheses in answering the question.	Describes historical and contemporary positions on democratic values and practices, and presents his or her position on a related problem.	Describe the principles related to responsibly locating, retrieving, and using information in the digital world
Illustrates the field's current terminology.	Describes and examines perspectives on key debates within the field and in	Describes how cultural perspectives could affect interpretation of problems in the		Takes an active role in the community (work, service, co-curricular activities) and	Use technology to enhance communication, community, and collaboration

	society.	arts, politics or global relations. (Engaging diverse perspectives)	examines civic issues encountered and insights gained.
Generates substantially error-free products exhibits, or performances in the field.	Illustrates core concepts of the field while executing analytical, practical or creative tasks.	Presents accurate calculations and symbolic operations and explains their use either in the field of study or in interpreting social or economic trends. (Quantitative fluency)	Use technology to categorize, organize, and critique information collaboratively
	Selects and applies recognized methods in interpreting discipline- based problems.	Presents substantially error- free prose in both argumentative and narrative forms to general and specialized audiences. (Communication fluency)	
	Assembles evidence relevant to problems, describes its significance, and uses it in analysis.		
	Describes the ways in which at least two disciplines define, address and justify the importance of a contemporary challenge or problem.		
	Identifies, categorizes and distinguishes among ideas, concepts, theories and practical approaches to problems.		

At the Bachelor's level, the student:

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Defines and explains the boundaries, divisions, styles and practices of the field.	Frames a complex scientific, social, technological, economic or aesthetic challenge or problem from the perspectives and literature of at least two academic fields and proposes a “best approach” to the question or challenge using evidence from those fields.	Differentiates and evaluates theories and approaches to complex standard and non- standard problems within his or her major field. (Analytic inquiry)	Presents a project, paper, performance or other appropriate task linking knowledge and skills from work, community or research activities with knowledge acquired in academic disciplines; explains how elements were combined to shape meaning or findings; and shows the relationship to relevant scholarship.	Explains diverse perspectives on a contested issue and evaluates insights gained from different kinds of evidence reflecting scholarly and community perspectives.	
Defines and properly uses the principal terms in the field, both historical and contemporaneous.	Produces, independently or collaboratively, an investigative, creative or practical work that draws on specific theories, tools and methods from at least two academic fields.	Incorporates multiple information resources in different media or languages in projects, papers or performances, with appropriate citations; and evaluates the relative merits of competing resources with respect to clearly articulated standards. (Use of information resources)	Formulates a question on a topic that addresses more than one academic discipline or practical setting, locates appropriate evidence that addresses the question, evaluates the evidence in relation to the problem's contexts, and articulates conclusions that follow logically from analysis.	Develops and justifies a position on a public issue and relates this position to alternative views within the community or policy environment.	Analyze security, privacy, ethical, and/or legal issues related to the digital information world
Demonstrates fluency in the use of tools, technologies and methods in the field.	Explains a problem in science, the arts, society, human services, economic life or technology from the perspective of at least two academic fields, explains how the methods of inquiry and research in those disciplines can be brought to bear, judges the likelihood that the	Constructs a cultural, political or technological alternate vision of either the natural or human world through a written project, laboratory report, exhibit, performance or community service design;	Completes a field-based assignment in the course of study that employs insights from others; evaluates a significant question in relation to concepts, methods or assumptions in at	Collaborates in developing and implementing an approach to a civic issue, evaluates the process and, where	Summarize policies to responsibly handle information

	combination of disciplinary perspectives and methods would contribute to the resolution of the challenge, and justifies the importance of the challenge in a social or global context.	defines the distinct patterns in this alternate vision; and explains how these patterns differ from current realities. (Engaging diverse perspectives)	least one academic field; and explains the implications of learning outside the classroom.	applicable, weighs the result.
Evaluates, clarifies and frames a complex question or challenge using perspectives and scholarship from the student's major field and at least one other.		Translates verbal problems into mathematical algorithms, constructs valid arguments using the accepted symbolic system of mathematical reasoning, and constructs accurate calculations, estimates, risk analyses or quantitative evaluations of public information through presentations, papers or projects. (Quantitative fluency)		Appraise sources of information in the digital world
Constructs a project related to a familiar but complex problem in the field of study by assembling, arranging and reformulating ideas, concepts, designs or techniques.		Constructs sustained, coherent argument or presentation on technical issues or processes in more than one language and in more than one medium for general and specific audiences; and works through collaboration to address a social, personal or ethical dilemma. (Communication fluency)		Use technology to categorize, organize, and critique information collaboratively
Constructs a summative project, paper or practice-based performance that draws on current research, scholarship and/or techniques in the field.				Use multimedia tools to capture, consolidate, and communicate information
				Determine the nature and extent of

information needed, access and evaluate that information; and efficiently and ethically use the information for a specific purpose.

At the Master's level, the student:

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Elucidates the major theories, research methods and approaches to inquiry, and/or schools of practice in the field; articulates relevant sources; and illustrates their relationship to allied fields.	Articulates how the field has developed in relation to other major domains of inquiry or practice.	Disaggregates, adapts, reformulates and employs in an essay or project principal ideas, techniques or methods at the forefront of the field. (Analytic inquiry)	Creates a discrete project, paper, exhibit, performance or other appropriate task reflecting integration of knowledge acquired in practicum, work, community or research activities with knowledge and skills from at least two disciplines representing different segments of the curriculum (e.g., computer science and anthropology); documents the sources of the knowledge and skills reflected in the integration; articulates in writing how these elements influenced the resulting product; and assesses the significance of the work in light of major debates or developments in the primary field(s).	Assesses and develops a position on a significant public policy question in the student's field, taking into account scholarly and community perspectives.	Appraise security, privacy, ethical, and/or legal issues related to the digital information world
Assesses the contributions of major figures and organizations in the field; describes its major methodologies and practices; and implements at least two such methodologies and practices through projects, papers, exhibits or performances.	Designs and executes an applied, investigative or creative work that draws on the perspectives and methods of other fields and assesses the resulting gains and difficulties.	Provides adequate evidence through papers, projects, notebooks, computer files or catalogues of expanding, assessing or refining either a recognized information resource or an information base within the field. (Use of information resources)	Creates, designs and implements a performance or project in an out-of-class setting requiring application of advanced knowledge to a practical challenge; articulates in- sights gained from the field experience; assesses, with appropriate citations, selected approaches or scholarly debates applicable to the problem; articulates a reasoned judgment on selected issues in the field; and assesses standards for professional performance and continuing development with specific reference to the experience.		Analyze information to solve real world problems
Articulates	Articulates	Addresses in a project,			Use technology

major challenges involved in practicing the field, elucidates its leading edges, and delineates its current limits with respect to theory, knowledge and practice.	and defends the significance and implications of his or her specialized work in terms of challenges, trends and developments in a social or global context.	paper or performance a core issue in the field from the perspective of a different point in time or a different culture, political order or technological context, and elucidates how the perspective contributes to results that depart from current norms, dominant cultural assumptions or technologies. (Engaging diverse perspectives)	to effectively and efficiently access, analyze, and use information to support research
Initiates, assembles, arranges and reformulates ideas, concepts, designs and techniques in carrying out a project directed at a challenge in the field beyond conventional boundaries.		Not seeking a degree in a quantitative field employs and applies mathematical, logical or statistical tools to problems within the field in a project, paper or performance, while the student seeking a degree in a quantitative field articulates and undertakes multiple appropriate applications of quantitative methods, concepts and theories. (Quantitative fluency)	Evaluate and use technology to enhance communication, community, collaboration, and critical thinking.
		Creates sustained, coherent explanations and reflections on the student's own work in two or more media or languages to both general and specialized audiences. (Communication fluency)	Evaluate technology to communicate, collaborate, categorize, organize, and critique information collaboratively
			Establish the nature and extent of information needed, access and evaluate that information; and efficiently and ethically use the

General Education

Philosophy of General Education

The APUS General Education program provides a broad-based liberal arts education that complements the students' major area of study, affording students a basic foundation of principles, concepts, and methodologies upon which they prepare for, and engage in, advanced learning. The General Education curriculum empowers students to engage in critical thinking, communication, information literacy, and academic skills that support creative decision making and life-long learning. Students will achieve a level of awareness and understanding that permits them to become effective leaders, creative thinkers, and ethical decision makers in a global, diverse, and technological society.

There are two basic components of the General Education program at APUS:

- **Basic Skills Component**
- **Basic Knowledge Component**

The Basic Skills Component

This component prepares students for advanced learning by providing the knowledge and skills needed to succeed academically, professionally, and personally. APUS students should expect to demonstrate competency in:

Effective Communication

- Express thoughts and ideas in writing.
- Demonstrate the ability to comprehend the written word.
- Demonstrate the ability to present thoughts and ideas orally.
- Comprehend the role of technology in social change.
- Use technology to acquire, process, and share information.

Information Literacy

- Determine the nature and extent of the information needed.
- Access needed information effectively and efficiently.
- Critically evaluate information and its sources and incorporate selected information into his/her knowledge base and value system.
- Effectively use information, individually or as a group member, to accomplish a specific purpose.
- Identify many of the economic, legal, and social issues surrounding the use of information.
- Access and use information ethically and legally.

Critical Thinking

- Use abstract reasoning, analyzing, and synthesizing to solve problems.
- Assess the ethical, aesthetic, and practical consequences of human action toward others as well as the environment.
- Utilize qualitative and quantitative analysis and scientific reasoning that lead to effective problem solving.

Personal and Social Responsibility in a Diverse Global Society

- Recognize different cultures and their contributions to global society.
- Apply appropriate decision making and interaction based on knowledge of differences and similarities among cultures and individuals.
- Recognize the inter-dependence among diverse cultures.
- Recognize the significance of civic knowledge and engagement.

The Basic Knowledge Component

This component involves the organization of essential information about nature and human society, including modes of inquiry and historical development. APUS students should expect to demonstrate proficiency in:

Core knowledge of the Social Sciences

- Appreciate civic responsibility and ethical principles.
- Recognize the value of the individual within a culturally-varied world.

Core knowledge of Science

- Use of scientific models to collect and analyze information.
- Demonstrate proficiency in applying the scientific method - defining a problem, developing a hypothesis, collecting data, and testing the hypothesis through experimentation and inquiry.
- Apply quantitative and qualitative approaches to the study of scientific concepts.

Core knowledge of Mathematics

- Use of mathematical models to collect data and analyze information.
- Use of mathematics in problem solving.

Core knowledge of English

- Demonstrate effective oral and written communication skills.
- Organize information coherently.
- Utilize appropriate format and language for different audiences.

Core knowledge of Literature and Humanities

- Demonstrate knowledge of the contributions of literature and the humanities to today's society.
- Appreciate the historical impact on and of literature and the humanities.

Core knowledge of History

- Historical comprehension and appreciation of our cultural heritage, whether ancient or modern.
- Recognize of the importance of historical events in analyzing contemporary social, political, technological, and economic issues.

Core knowledge of Research

- Employ correct citation formats and reference research material in academic writing.
- Integrate scholarly research information effectively in academic writing.
- Write at an appropriate academic level.

Core knowledge of Diversity

- Appreciate diverse social and cultural issues.

Beyond the specific skills and knowledge gained, it is expected that APUS graduates will integrate these skills and areas of knowledge in the pursuit of life-long learning.

General Education Requirements

Completion of the courses listed below fulfills APUS General Education requirements within all Associate and Bachelor's degree programs. Please note that the General Education requirements for the Associate or Bachelor of Science degrees differ in some respects, requiring more math and/or science. Students should review carefully the General Education requirements indicated for their specific Associate or Bachelor of Science program. If a General Education course option is listed as Required Course in an

area other than General Education (Core/Major/Minor/Concentration/Certificate), it may not be used to fulfill credit hour requirements in both areas. Students will need to select a different course option to fulfill the General Education area requirements. Program requirements supersede all general APUS requirements.

English Composition - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 or 8 semester hours depending on program (includes 1 or 2 required labs)

- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Note: Students enrolled in Science courses that have a laboratory component are required to complete the associated lab course. Please note that some degree programs specify science courses to fulfill General Education requirements, while others allow for a choice of any Science course from the list above.

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Grading Policies

The APUS grading system is provided in the following chart. Additional information regarding the posting of grades and the petitioning of grades is available in the Student Handbook.

Grade	Quality Points	Description
A	4.0	All: Very high quality, clearly above average work
A-	3.67	
B+	3.33	
B	3.0	Undergraduate: Above average Graduate: Expected performance level
B-	2.67	
C+	2.33	
C	2.0	
C-	1.67	Undergraduate: Below Average Graduate: Failing
D+	1.33	Undergraduate: Unsatisfactory Graduate: Failing
D	1.0	Undergraduate: Unsatisfactory Graduate: Failing
D-	.67	Undergraduate: Unsatisfactory Graduate: Failing
F	0.0	Undergraduate: Failing Graduate: Failing
P	NONE	Undergraduate: Pass Graduate: Pass
PD	NONE	Graduate Comprehensive Exam Only: Pass with Distinction
FAIL	NONE	Graduate Comprehensive Exam Only: Failed the Exam
I	NONE	All: Incomplete
DP	NONE	Dropped
W	NONE	All: Withdrawn
WF	NONE	A Withdrawal that was allowed but instructor requested a failing notation
X	NONE	Audit grade: No Academic Credit awarded
R	NONE	Previously failed course that was retaken
S	NONE	Satisfactory: No Academic Credit awarded
U	NONE	Unsatisfactory No Academic Credit awarded
RW	NONE	A retroactive withdrawal from a course
PLA	NONE	Credit awards for prior learning

Repeat Coursework

You can only retake a course if you received a failing grade “F” and if the exact same course is still offered at APUS.

You are not able to retake a course in which you received an A-D grade in order to raise your GPA or if APUS no longer offers that same course.

RETAKING A FAILED COURSE

APUS now allows you one opportunity to retake a failed course and have your original failed grade forgiven from your GPA. The original failing grade will show as “R” on your transcript, and the previous failing grade will be removed from your GPA as long as you complete the course retake. However, you will still see your original failing grade on your personal online academic plan and on your individual online grade reports.

Prior to August 2008:

- If the course start date for your retaken course was **prior to August 1, 2008**, the retake does not impact the original failing grade. Both failing grades will be displayed on the transcript and both will be incorporated into the GPA.

August 2008 to April 2014:

- If the course start for your retaken course was on or after August 1, 2008, the retake removes the impact of the original failing grade on your GPA.

On or After April 2014:

- As of courses starting in April 2014, you will only be allowed one retake of each failed course. All failed attempts of the course prior to April 2014 will count as one failure, so as of April 2014, you will still have one attempt available to pass any previously failed course.

IMPORTANT TO KNOW

- The course retake policy only applies if the exact same course that you previously failed is still offered.
- This policy does not apply to Comprehensive Exam or Capstone/Thesis/Practicum courses. Please see the next section of the handbook for the retake policy on these course types.
- Original failing grades of retaken courses will still be used to calculate SAP (Satisfactory Academic Progress) for financial aid and for the % of course credit attempted vs course credit earned for graduation eligibility.
- The retake policy does not apply to courses that you took in programs that you have already completed. For example, if you failed a course in your Associates program, and have already had that degree conferred, you cannot have the original failing grade forgiven in your GPA by retaking it now in your Bachelor’s program.
- The Army (GAE) does not follow AMU’s course retake policy when it is calculating your overall GAE GPA for TA eligibility. The Army’s GPA is independent of a GPA with a soldier’s home college. It is calculated by averaging the grades for each completed course in the soldier’s Army Education records.
- UNDERGRADUATE ONLY: If you previously took a split science lecture/lab course combination, and failed one of the component courses, you will not be able to retake this science combination. You will need to take a different Science course selection to fulfill your GEN ED requirement. If the specific course you failed is a required course in your program, please contact your Academic Advisor to help you with this process.

Undergraduate Non-Degree Seeking Students (Courses for Transfer)

If you are enrolled as a non-degree-seeking student and receive a grade of C- or below on a course that you intend to transfer to another institution, you may retake the course to meet the other institution’s transfer policies. The duplicative credit for this course, however, cannot be applied toward a future APUS degree or certificate program.

Questions regarding retaking courses may be directed to counseling@apus.edu.

Satisfactory Academic Progress (SAP)

Students must maintain Satisfactory Academic Progress (SAP) to receive Federal Student Aid.

- According to Federal Regulations, students who fail to make satisfactory progress towards their degree or certificate will lose their ability to receive Federal Student Aid.
- This regulation applies to all students, including those that have not previously received financial aid.
- Students who lose their aid may appeal the loss provided there are mitigating circumstances that inhibited their academic progress.
- If mitigating circumstances do not exist, you may take classes at your own expense to demonstrate improvement for a future appeal.
- To otherwise restore eligibility students, must achieve the GPA and hours target as defined in the policy.

Our university system evaluates SAP at the beginning of each semester, defined as a 16-week period of academic study, and prior to the student receiving FSA for the first time at our university.

- APUS may grant administrative waivers or probationary terms (i.e., grades are not posted before the start of the next term in consecutive terms).
- The requirements of each criterion must be met and are described in detail below: There are three criteria used to measure Satisfactory Academic Progress:
 - Cumulative grade point average (qualitative)
 - Credit hour completion (quantitative)
 - Program deadline

Cumulative Grade Point Average (CGPA):

- Cumulative GPA is the qualitative measure of SAP, meaning that it looks at the quality of the grades that each student earns in their courses.
- Cumulative GPA is calculated after 6 undergraduate credits or 6 graduate credits are completed at APUS.
- Evaluation thereafter occurs in the segments listed in the table below. Only credits completed at APUS with a final grade of A through F are included in the Cumulative GPA calculation.
- To meet SAP requirements, students must maintain a Cumulative GPA that meets or exceeds our minimum as shown in the chart below.
- Students who fail to meet CGPA requirements also fail to meet SAP requirements and will be denied Federal Student Aid (Information on Loss of FSA Eligibility is located under Policies and Procedures for Award of FSA.).

SAP Criteria Based on Cumulative GPA and Credits Completed

	Total Credits Completed (including transferred credits*)	Minimum CGPA Required for Financial Aid
Undergraduate Students	6-12	1.00
	13-24	1.25
	25-36	1.50
	37-96	1.75
	97+	2.00
Graduate Students	6-9	2.00
	10-18	2.50

19-27	2.75
28+	3.00

- *Credits transferred in from another college or university via an official Transfer Credit Evaluation are factored into the calculation of how many credits a student has completed in determining the minimum Cumulative GPA threshold from the chart.
- For example, an undergraduate student with no transfer credits must have a minimum Cumulative GPA of 1.00 once they have completed (with a passing grade) their first 6 credits at APUS.
- However, a student who transferred in 15 credits and then earned his/her first 6 credits at APUS must have a minimum Cumulative GPA of 1.25 (15 transfer credits plus 6 credits completed equals 21 completed credits which falls into the 13-24 total credits completed range in the chart above).

Credit Hour Completion:

- Credit hour completion is the quantitative measure of SAP, meaning that you must complete a certain percentage of your courses to maintain eligibility for Federal Student Aid.
- Each academic program within our university system has a defined number of credit hours required for completion.
- A student must complete his/her program within 150% of the published credits.
 - For example, if your program requirements are 120 credits, you must satisfy all requirements of your program without having to attempt more than 180 credits.
 - For example, if your program requirements are 18 credits, you must satisfy all requirements of your program without having to attempt more than 27 credits.
- Courses with a final undergraduate grade of A through D- or a final graduate grade of A through C will be counted towards credits completed.
- Final grades that fall below the minimums (D- for undergraduates and C for graduates) are not counted as credits completed but will be used to determine credits attempted.
- Students who withdraw from a course are considered as having attempted the course. Students who drop a course are considered as having not attempted the course.
- Courses with grades of incomplete ("I") will not be counted as attempted until a final grade is earned by the student or the Registrar or instructor converts the "I" grade to an "F."
- Courses that are dropped prior to the course start date or during the add/drop period in Week One will not count towards attempted credits. **Please note:** All students are required to log into each of their courses during Week One and to submit a class discussion board post of at least 250 words. Students who do not submit this assignment during the first week of class will be automatically dropped from any courses in which this assignment has not been completed. Detailed information on classroom attendance is available at [Initial Contact - First Week of the Course](#).
- Remedial courses do not count towards attempted credits.
- Any course in which the student remains beyond Week One will count towards attempted courses regardless of the grade received.
- Repeated courses will count as attempted courses.
- To maintain SAP, students must achieve a minimum percentage of credits earned versus credits attempted.

SAP Criteria Based on Credits Attempted versus Credits Completed

	Credits Attempted	Credits Completed %
Undergraduate Students	6-12	50%
	13-24	60%

	25-36	65%
	37+	67%
Graduate Students	6-9	50%
	10-18	60%
	19+	67%

- Credits transferred from another college or university are included in determining the credits completed percentage for the quantitative measure - completed hours divided by attempted hours. Likewise, the total of APUS and transfer credits that a student has from another college or university will be added to determine where they fall on the chart above.

Example 1: A student registers for 12 credits as an undergraduate student at APUS. The student also has **12 transfer credits** from College A. At the end of the semester, here are the grades for the student:

Courses Attempted	Grades
Course 1 (3 credits)	W
Course 2 (3 credits)	F
Course 3 (3 credits)	B
Course 4 (3 credits)	C

- This student has attempted **12** credits at APUS but has only successfully completed **6** of those credits (Course 3 and Course 4).
- The credits completed at APUS would be added to the credits transferred (6 credits plus 12 credits), and the credits attempted at APUS would be added to the credits transferred (12 credits plus 12 credits).
- The credits completed percentage would be 75% (18 completed hours divided by 24 attempted hours).
- The next step is to look at the chart above and determine what percentage is needed to make SAP.
- You then find where 24 credits attempted falls on the chart above, and you will see that the student needs to have completed 60% of their courses to make SAP.
- In this example, the student is making SAP and will be eligible for their Federal Student Aid.

Example 2: A student registers for 15 credits as a graduate student at APUS and has 3 transfer credits. The student drops 3 credits during add/drop week of the semester. Here are the grades for the student at the end of the semester:

Courses Attempted	Grades
Course 1 (3 credits)	W
Course 2 (3 credits)	DP
Course 3 (3 credits)	B
Course 4 (3 credits)	F
Course 5 (3 credits)	F

- This student has attempted 12 credits at APUS but has only successfully completed 3 of those credits (Course 3).
- Dropped courses do not count toward attempted courses.
- The credits completed at APUS would be added to the credits transferred (3 credits plus 3 credits), and the credits attempted at APUS would be added to the credits transferred (12 credits plus 3 credits).
- The credits completed percentage would be 40% (6 completed hours divided by 15 attempted hours).

- Again, look at the chart above and determine what percentage is needed to make SAP.
- You then find where 15 credits falls on the chart, and you will see that the graduate student needs to have completed 60% of their APUS courses to make SAP.
- So this student is not making SAP and will no longer be eligible for their Federal Student Aid.

Program Deadline:

Program deadline start dates are determined when the student completes Week One of their initial course(s). Students must complete their program within the timeframe allowed as follows:

Associate Degree: 7 years from start date

Bachelor's Degree: 10 years from start date

Master's Degree: 7 years from start date

Certificate Program: 3 years from start date

Student Rights and Responsibilities

An academic community is based on personal integrity and respect for others. APUS follows the letter and spirit of applicable federal and state laws pertaining to the administration of an institution of higher education (e.g., laws governing student records, equal opportunity, etc.) and adheres to the guidelines published by appropriate professional groups with respect to admissions procedures, required credentials of faculty, and business ethics. Information regarding student right and responsibilities, including appeals processes, can be found in the Student Handbook at: <http://www.apus.edu/student-handbook/rights-responsibilities/> .

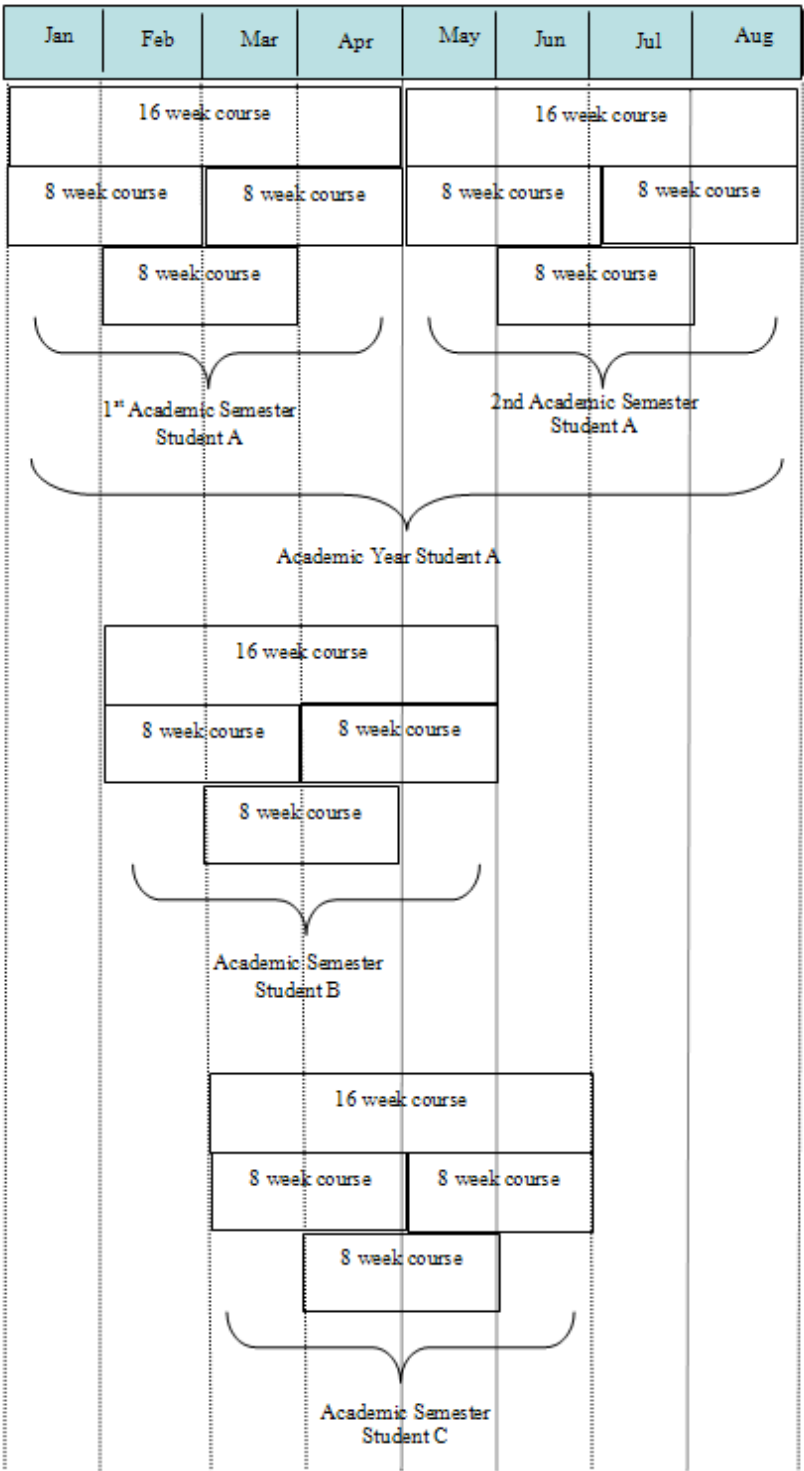
Academic Semesters and Years

APUS has a rolling academic year that is different from traditional institutions which typically operate on an academic year normally defined by fall and spring semesters. At APUS, courses start each month and are offered in 8- and 16-week formats. Students may take a combination of 8- and 16-week classes and may overlap class starts to fit their individual schedules.

To comply with the rules established by the Department of Education for disbursement of Federal Student Aid under the provisions of Title IV of the Higher Education Act, students receiving Federal Student Aid must take classes on a defined 16-week academic semester schedule. Two consecutive 16-week academic semesters (32 weeks) comprise the student's academic year, and students receiving FSA may not take classes that overlap semesters. When students first start their studies at APUS, the start date of their first class defines the start date of their individual 16-week academic semester, during which they must take a prescribed number of classes (semester hours) to be eligible for FSA. Counseling for students receiving FSA will be conducted by the APUS financial aid staff and other appropriate staff during the registration process to ensure that they understand the rules for number of semester hours attempted, academic semester restrictions, etc.

The diagram on the right depicts an example of student-defined APUS academic semesters and years:

- Each student defines his/her own academic semesters based on start date of their first course
- Semesters are 16 weeks long; the academic year is 2 successive semesters
- Students receiving Federal Student Aid may not take courses that overlap semesters
- Students may take a combination of 8- and 16-week courses during a semester, so long as each course starts and ends within the semester



Associate of Arts - Business Administration

The Associate of Arts in Business Administration provides exposure to general education and business fundamentals. The program prepares students for entry-level positions in industries and government. The Associate of Arts in Business Administration is a degree option for students who desire only two years of college study. The program also prepares students for entry into baccalaureate degree programs.

Program Objectives:

Students who successfully complete the Associate of Arts in Business Administration will have completed the following objectives:

- Use skills in oral and written communication as well as mathematics, relevant general education coursework, and specific business knowledge in the basics of accounting, economics, management, and marketing.
- Discuss the basic business principles and operations, including management, marketing, and finance.
- Apply critical thinking, problem solving, and team-building skills in a business management environment.
- Examine basic tools for managing in organizations based on a fundamental knowledge of both individual and organizational behavior.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]
- [BUSN100 - Basics of Business](#)
- [ENGL225 - Business Writing](#)
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MKTG201 - Fundamentals of Marketing](#)

And select 2 courses from the following:

- [BUSN299 - Applied Business Solutions](#)
- [ITCC111 - Basic Productivity Applications](#)
- [ITCC112 - Advanced Productivity Applications](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Communication

The Associate of Arts in Communication prepares students for careers in journalism, marketing and public relations, business management, public policy, corporate training, and more. This degree ensures that students will learn about such important communication issues as interpersonal, intercultural and media communication, gender differences in communication, communication ethics, and small group communication. Students in this program are exposed to historical speeches, communication theory, and practical preparation for presentations. Students graduating from this program may apply this degree toward the completion of requirements for any related Bachelor's degree where oral communication is a consideration.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Communication also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of communication, graduates in this degree program will be able to:

- Describe the various theoretical models and separate parts of the communication process.
- Prepare and deliver a presentation appropriate to a selected communication setting or event.
- Articulate the issues relevant to interpersonal and/or intercultural communication.
- Apply relevant techniques to interpersonal and/or intercultural communication.
- Demonstrate knowledge of the history, models, theories, and concepts of mass communication.
- Demonstrate an understanding of the ethics of communication.
- Demonstrate an understanding of the dynamics and processes of small group communication.
- Demonstrate an understanding of the issues and dynamics of communication between genders.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [COMM200 - Public Speaking](#)
- [COMM210 - Communication and Gender](#)
- [COMM220 - Small Group Communication](#)
- [COMM240 - Intercultural Communication](#)
- [COMM250 - Mass Communication](#)
- [COMM280 - Ethics in Communication](#)

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed

above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - Counter Terrorism Studies

In the aftermath of the September 11, 2001 attacks on the United States, there is great discussion about the new methods of terrorism and how to effectively apply counter-terrorism concepts to deal with this international security challenge. Political and military leaders are still grappling with strategies to combat terrorism as witnessed by events throughout the world and daily in Iraq and Afghanistan.

Students in this program will explore the origins of and motivations for terrorism, terrorist strategy, and tactics. Terrorism presents real challenges to government and national security communities due to the many different domestic and international terrorist groups, each with their own leadership, motivations, political objectives, and their own repertoire of tactics. The fact that these groups continue to evolve and mature in their capability means even greater challenges lay ahead for the U.S. military and government agencies involved in combating terrorism and in ensuring national security.

The fully developed degree program at APUS prepares students for the complexities of this field, along with preparation in a number of areas across the counter-terrorism and national security spectrum. In its degree programs, APUS takes an integrated approach that reflects this discipline in its current emergency state.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Counter-Terrorism Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of counter terrorism, graduates in this degree program will be able to:

- Explore the theory and history of terrorism and political violence.
- Identify different domestic and international terrorist groups, their leadership, and their tactics.
- Recognize the motivations of terrorist leaders and their followers.
- Determine the evolving nature of domestic and international terrorism.
- Define government agencies involved in combating terrorism and in ensuring homeland security.
- Describe countermeasures available to U.S. agencies fighting terrorism.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs
General Education Requirements (34 semester hours)
English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature
History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877

HIST102 - American History since 1877

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry

- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS311 - Border and Coastal Security](#)

- [HLSS312 - Port Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL450 - Terrorism and Counterterrorism](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Criminal Justice

The Associate of Arts in Criminal Justice seeks to expand students’ academic and professional development by providing a basic foundation in criminal justice theory and concepts, while developing students’ ability to grasp legal issues, law enforcement objectives, the impact of terrorism, and administration matters. It is designed for students who wish to develop the skills necessary for a career in law enforcement or criminal justice. The program serves to enhance the professional career paths of those already within the discipline, prepares graduates to pursue career opportunities in the criminal justice field, and/or serve as a background for further baccalaureate study.

Program Objectives:

In addition to the institutional and degree level learning outcomes objectives, the Associate of Arts in Criminal Justice seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Examine historical, philosophical, and constitutional perspectives/limitations of law enforcement.
- Describe the collection and preservation of evidence in basic crime scene investigations.
- Identify the origins of modern terrorism, its impact on society, and the impact of cross-cultural communication.
- Differentiate the criminological, sociological, legal, and political influences on the American criminal justice system.
- Restate theories of juvenile delinquency.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (21 semester hours)

- CMRJ100 - Introduction to Law Enforcement
- CMRJ101 - Evidence and Procedures
- CMRJ201 - Criminal Justice Administration
- CMRJ206 - Juvenile Delinquency
- COMM240 - Intercultural Communication
- EDMG230 - Emergency and Disaster Incident Command
- LSTD204 - Introduction to the Courts

Final Program Requirements (3 semester hours)

- CMRJ295 - Criminal Justice Sophomore Seminar (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Associate of Arts - Early Childhood Care and Education

The Associate of Arts degree in Early Childhood Care and Education prepares student-professionals to work with young children in a variety of private and public care and educational settings. This program of study focuses on the fundamentals of early childhood development and the methodologies of planning and implementing programs designed to promote healthy development in children from birth to five years of age.

Completion of this degree does not qualify graduates for teaching licensure or certification.

The Associate of Arts degree in Early Childhood Care and Education provides an ideal academic background for students who wish to pursue the Child Development Associate credential, sponsored by the Council for Professional Recognition. To learn more about this credential, please go to the Child Development Associate website: www.cdacouncil.org.

Program Objectives:

In addition to meeting institutional and general education objectives, the Associate of Arts in Early Childhood Care and Education seeks to prepare its graduates for professional care of children from birth to five years old in a variety of settings via the following program outcomes. Graduates in this degree program will be able to:

- Describe the scope and principal theories of early childhood care and education.
- Describe how existing knowledge and practice in early childhood care and education is tested and revised.
- Use appropriate research documents on early childhood care and education, and cite appropriately.
- Demonstrate the ability to apply concepts learned in the classroom to real-life settings.
- Describe his or her own cultural background and how this background has influenced his or her own beliefs and practices in the field of child development and family studies.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [EDUC111 - Observation Techniques](#)
- [CHFD210 - Childhood Educational Development](#)
- [CHFD212 - Infant and Toddler Programs](#)
- [CHFD225 - Introduction to the American Family](#)
- [CHFD308 - Infant-Toddler Development](#)
- [CHFD312 - Special Needs Students](#)
- [CHFD331 - Parenting](#)

Elective Requirements (3 semester hours)

Students must complete 3 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total= 61 semester hours

Associate of Arts - General Studies

The Associate of Arts in General Studies degree is designed to provide a solid foundation for further academic achievement providing students opportunities to develop knowledge, skills, and abilities that are readily applicable to the student's personal or professional interests. The program also prepares students for entry into baccalaureate degree programs.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in General Studies also seeks the following specific learning outcomes of its graduates:

- Use knowledge across a wide diversity of subjects, views, works, and authors, from which they will have a general academic foundation.
- Identify their personal, academic, and professional/career goals and strategies that are integrated within a meaningful approach to life.
- Read, write, and analyze effectively across a number of disciplines.
- Identify issues and problems, then formulate and frame solutions to these problems.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)

- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)

- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Elective Requirements (24 semester hours)

Students must complete 24 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - History

The Associate of Arts in History is offered to better suit professional aspirations and interests of our students. This degree ensures that students will learn about historical periods across a global perspective. Students in this program are exposed to various pivotal historical events, cultures, and regions. Students graduating from this program may apply this degree toward the completion of requirements for the Bachelor of Arts in History or related degree.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

Select 2 courses from the following:

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization Before The Thirty Years War
- HIST122 - Western Civilization Since Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

And select 2 courses from the following:

- ARTH210 - American Art
- ARTH221 - American Architecture
- ARTH230 - Ancient and Medieval Art
- ARTH231 - Renaissance to Modern Art

And select 2 courses from the following:

- [HIST213 - History of Women in the United States](#)
- [HIST214 - History of Latinos in the United States](#)
- [IRLS220 - African Peoples and Cultures](#)
- [IRLS240 - European Peoples and Cultures](#)
- [IRLS260 - Middle Eastern Culture](#)

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - Hospitality

The Associate of Arts in Hospitality provides students a general basis in fundamental restaurant operations. Students are exposed to several facets of this challenging career including purchasing and storage, food service sanitation, food preparation, legal aspects and insurance, and marketing and sales.

Program Objectives:

Students who successfully complete the Associate of Arts in Hospitality will have achieve the following objectives:

- Describe the career opportunities and future industry growth forecasts as they relate to the different segments of the Hospitality Industry.
- Demonstrate food safety practices that will ensure safe food production from purchase to service.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Implement strategies to effectively manage and improve restaurant performance, based on operational theory and procedures.
- Analyze hospitality operation processes and attributes and the legal implication of proper or improper management.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (12 semester hours)

- HOSP100 - Introduction to Hospitality Management
- HOSP203 - Hotel and Restaurant Purchasing
- HOSP204 - Introduction to Hotel and Restaurant Law
- HOSP303- Hospitality Marketing

Concentration in Restaurant Operations Requirements (9 semester hours)

- HOSP101 - Foodservice Sanitation
- HOSP200 - Food and Beverage Management

And select 1 course from the following:

- HOSP202 - Quantity Food Preparation
- HOSP307 - Principles of Cost Control in Foodservice Operations
- HOSP315 - Dining: A Consumer Perspective

Final Program Requirements (3 semester hours)

- [HOSP295 - Restaurant Operations Seminar](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Management

The Associates of Arts in Management lays the foundation by introducing students to the theoretical concepts and practical applications in the field of management. Students will explore the skill sets necessary to effectively lead and manage a global workforce. Topics of study include ethics, management communications, human resources management, supervision, human resource development, organizational behavior, and human relations. Successful completion of the program prepares graduates for entry-level supervisory positions and responsibilities.

Program Objectives:

Students who successfully complete the Associate of Arts in Management will have completed the following objectives:

- Demonstrate critical thinking, problem solving and communication skills necessary to be a successful supervisor in a business environment.
- Explain key concepts, methods and practices for managing human capital in an organization.
- Compare and contrast ethical theories as they relate to organizational and individual behavior.
- Prepare a development program for a potential direct report.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (12 semester hours)

- [ECON101 - Microeconomics](#)
- [MGMT100 - Human Relations](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MGMT200 - Ethics Fundamentals](#)

Concentration in Human Resources (9 semester hours)

This concentration is designed to offer a practical base of knowledge that prepares students to deal with the complexities and challenges of managing today's global workforce. Topics of study include recruitment, selection, team dynamics, ethics, performance management, compensation, benefits, labor and employee relations, and policy and records management.

Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts, Human Resources concentration, also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Human Resources, graduates in this degree program will be able to:

- Supervise people in the workforce environment.
- List the necessary steps to take in the recruiting, grievance and corrective action processes.
- Communicate an organization's mission, vision, goals and objectives to direct reports.
- Discuss the challenges that human resources face in modern organizations.
- Describe team-management skills with a focus on the group dynamics and ethics of an increasingly diverse workforce.

Concentration Requirements (9 semester hours)

- [HRMT200 - Human Resource Fundamentals](#)

Select 2 courses from the following:

- [HRMT201 - Employee Training and Development](#)
- [HRMT202 - Interviewing Fundamentals](#)
- [MGMT201 - Organizational Fundamentals](#)

Concentration in Retail Management (9 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to become effective retail managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate retail management practices.

Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Management, Retail Management concentration, also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program will be able to:

- Explain the functions and applications of various retail management processes in the areas of store operations.
- Assess the needs of today's retail managers in the use of information technology, financial resources, and human resources in the retail workplace.
- Apply retail managerial concepts to issues impacting the effectiveness of retail managers in today's competitive and global organizations.
- Recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global retail environment.

Concentration Requirements (9 semester hours)

- [RTMG150 - Retail Organization Fundamentals](#)

Select 2 courses from the following:

- [RTMG200 - Customer Relations](#)
- [RTMG201 - Retail Inventory Management](#)
- [RTMG202 - Risk Management](#)
- [RTMG203 - Commercial Safety](#)
- [RTMG204 - Finance Fundamentals](#)

Final Program Requirement (3 semester hours)

- [MGMT295 - Management Seminar](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Military History

The Associate of Arts in Military History degree ensures that students will learn about warfare from ancient times to the present and the patterns of western ways of war. Students in this program are exposed to how warfighting and foreign policy are related as well as military service histories. Students graduating from this program may apply this degree toward the completion of requirements for the Bachelor of Arts in Military History or related degree.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Military History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- IRLS214 - American Foreign Policy
- MILH201 - Introduction to Military History
- MILH202 - Survey of American Military History
- MILH221 - War from Antiquity to 1700
- MILH222 - War from 1700 to the Present

And select 1 course from the following:

- HIST101 - American History to 1877
- HIST102 - American History since 1877

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - Real Estate Studies

The Associate of Arts in Real Estate Studies provides a general basis in fundamental business skills for students considering a business career. For students planning to enter one of several real estate-specific career fields upon graduation, the program examines the basic experience, education and licensing requirements as well as personal attributes required to succeed in these career areas. These careers include real estate salesperson/broker, residential real property inspector, real property appraiser, mortgage broker/loan officer, or property manager.

Program Objectives:

Students who successfully complete the Associate of Arts in Real Estate Studies will have completed the following objectives:

- Discuss career opportunities that exist in the real estate industry and the personal, educational, experiential and licensing requirements that pertain to each.
- Identify broad perspectives on the principles, practices, legal and ethical issues that are important to successful practitioners of each type of real estate career.
- Apply specific skill sets important to each area of real estate practice including financial analysis, property appraisal, internet based marketing and research, contract negotiation, investment evaluation, personal marketing, time management and organizational skills, etc.
- Examine requirements to qualify for any licensing exams and/or other entry requirements (in the state(s) they plan to practice) pertinent to the area of real state that they identify as of interest.
- Develop clear strategies, goals and objectives, and action plans to launch a successful real estate career upon graduation, discharge or retirement.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (24 semester hours)

- ACCT100 - Accounting I [Prerequisite: MATH110 - College Algebra]
- BUSN100 - Basics of Business
- BUSN120 - Real Estate Principles
- BUSN121 - Real Estate Practice
- BUSN220 - Real Estate Finance
- BUSN221 - Real Estate Appraisal
- BUSN222 - Real Estate Property Management
- LSTD202 - Real Estate Law

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Retail Management

The Associate of Arts in Retail Management will provide the basic skills needed to effectively manage a variety of retail organizations. By developing management skills directly related to the retail industry, this program is designed for students who wish to develop the skills necessary to become successful retail managers. This program serves to enhance the professional career paths of those already within the discipline, prepares graduates to pursue career opportunities in the retail management field, and/or serves as a background for further baccalaureate study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of retail management, graduates in this degree program will be able to:

- Examine the functions and applications of various management processes in the areas of planning, organizing, staffing, directing, leading, and controlling in Retail Management.
- Use the needs of today's retail managers in assessing and implementing strategies employed in the management of information technology, financial, and human resources in the workplace.
- Analyze the impact of legal, social, political, economic, technological, and environmental issues in relation to organizational behavior.
- Apply managerial concepts to strategic decisions impacting the effectiveness of retail managers in today's competitive and global organizations.
- Recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global environment.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (12 semester hours)

- [RTMG150 - Retail Organization Fundamentals](#) (students taking this course cannot also take [MGMT201 - Organizational Fundamentals](#))
- [RTMG200 - Customer Relations](#)
- [RTMG201 - Retail Inventory Management](#)
- [RTMG204 - Finance Fundamentals](#)

Major Requirements (9 semester hours)

Select 3 courses from the following:

- [HOSP101 - Foodservice Sanitation](#)

- [HRMT200 - Human Resource Fundamentals](#)
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [RTMG202 - Risk Management](#)
- [RTMG203 - Commercial Safety](#)
- [TLMT200 - Retail Shipping and Receiving](#)
- [TLMT201 - Retail Transportation](#)

Final Program Requirements (3 semester hours)

- [RTMG295 - Retail Management Seminar](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Weapons of Mass Destruction Preparedness

In the aftermath of the September 11, 2001 attacks on the United States, there is great discussion about the new methods of terrorism and how to effectively counter the threat posed by terrorist groups armed with weapons of mass destruction. Political and military leaders are still grappling with strategies to combat the terrorism as witnessed by events around the world and daily in Iraq and Afghanistan.

Students in this program will explore the motivations for terrorism, terrorist strategy and tactics and the implications of terrorist use of weapons of mass destruction. Terrorism presents real challenges to government and national security communities due to the many different domestic and international terrorist groups, each with their own leadership, motivations, political objectives, and their own repertoire of tactics. The fact that these groups continue to evolve and mature in their capability means even greater challenges lay ahead for the U.S. military and government agencies involved in combating terrorism and in ensuring national security.

The fully developed degree program at APUS prepares students for the complexities of this field, along with preparation in a number of areas across the spectrum of weapons of mass destruction, counter terrorism and national security. In its degree programs, APUS takes an integrated approach that reflects this discipline in its current emergency state.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Weapons of Mass Destruction Preparedness also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of weapons of mass destruction, graduates in this degree program will be able to:

- Recognize the threat to the U.S. posed by both domestic and international terrorist groups and state actors armed with weapons of mass destruction.
- Describe the threat posed to society by chemical agents.
- Relate the threat posed to society by biological agents.
- Identify the threat posed to society by radiological and nuclear terrorism.
- Review the use of detection and monitoring equipment and personal protection and decontamination practices for the first responder.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS215 - Regulatory Issues in Weapons of Mass Destruction](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)

- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Science - Accounting

This program is for those students who want to enter the business world as an entrepreneur or manager of a small business. An Associate of Science in Accounting prepares students for entry-level positions in bookkeeping, accounting, and auditing. The curriculum provides a solid foundation in business strategy, financial statements, cost information, economics, management, and ethical issues. Students will be presented the various financial statements and learn how to record, present, and analyze financial data.

Program Objectives:

Students who successfully complete the Associate of Science in Accounting will achieve the following objectives:

- Describe the general role of accounting in business in relation to its use by managers, investors, businesses, and regulatory agencies.
- List Generally Accepted Accounting Principles (GAAP) and recall how GAAP is established.
- Utilize the steps in the accounting cycle to prepare financial statements from raw financial data.
- Complete accounting analyses and explain how this information is used to assist in making managerial decisions and controlling the financial aspects of business operations.
- Recognize the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Discuss basic business and economic terms and concepts.
- Employ office productivity applications to create business and accounting related reports and presentations.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)

- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I

- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [ITCC111 - Basic Productivity Applications](#)

Elective Requirements (3 semester hours)

Students must complete 3 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Science - Computer Applications

The Associate of Science in Computer Applications Program fills the need in the Information Technology marketplace for entry-level application development professionals and for foundational education in application development. This program focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with application development. This program produces academically sound entry-level application development professionals with the necessary foundation to be productive in the IT industry.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Computer Applications Program also seeks the following specific learning outcomes of its graduates:

- Appraise the major concepts behind computers, computer algorithms, and computer literacy.
- Analyze business environments and use Microsoft Office applications such as Word, Excel, PowerPoint, and Access to perform information processing tasks.
- Distinguish between the various diagrams in the Unified Modeling Language (UML).
- Assess the process for designing and developing software and evaluate the benefits of modularization of software.
- Profile the purpose, audience, scope, structure, and format of key IT documents and appraise the appropriateness of a document to the particular writing/research goal.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- ENTD200 - Fundamentals of Programming
- ENTD211 - Introduction to Software Design
- ITCC111 - Basic Productivity Applications
- ITCC112 - Advanced Productivity Applications
- ITCC121 - Introduction to Computer Science
- ITCC231 - Introduction to Information Technology Writing

Elective Requirements (3 semester hours)

Students must complete 3 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Science - Database Application Development

The Associate of Science in Database Application Development Program focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with database application development. This program produces academically sound and functionally competent database professionals with the necessary foundation to be productive in the IT industry. This program is market driven; it prepares learners to exploit the high demand for database professionals in various industry sectors.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Database Application Development Program also seeks the following specific learning outcomes of its graduates:

- Appraise the principles for designing relational database systems.
- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy database applications.
- Analyze the information needs and develop entity relationship models that represent the relationships and the cardinality in an information system.
- Investigate the first, second, and third normal forms of a database.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calcululus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (15 semester hours)

- [INFO111 - Enterprise Data Presentation with Crystal Reports](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, or INFO171 - Relational Databases with Oracle: SQL Introduction, or INFO221 - Relational Database Concepts]
- [INFO161 - Relational Databases with Microsoft Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with Microsoft Access: Advanced](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction]
- [INFO262 - Relational Databases with Microsoft Access: Project](#) [Prerequisite: INFO221 - Relational Database Concepts and INFO261 - Relational Databases with MS Access: Advanced]

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Science - Explosive Ordnance Disposal

The Associate of Science in Explosive Ordnance Disposal degree is designed to meet the education requirements for students of explosive ordnance disposal. Graduates may apply the degree toward professional advancement or choose to pursue further study. In addition to becoming familiar with the history of explosives, explosive ordnance disposal concepts, and the science behind explosive devices, the student will also learn about emergency response to terrorist incidents and national security.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Explosive Ordnance Disposal seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of explosive ordnance disposal, graduates in this degree program will be able to:

- Describe specific dates in relation to discovery, invention, and use of various explosives.
- Discuss the history and background of electricity and electronics as typically found in hazardous devices.
- List important scientists and inventors who played essential roles in explosives development.
- Explain the safety precautions to observe when conducting operations involving hazardous devices that incorporate energy bombs and electromagnetic pulse devices.
- Restate the principles and theories of fundamental concepts of electricity, physics, and chemistry as they apply to explosive devices.
- Interpret circuit components most commonly used in hazardous devices.
- Recognize hazardous device electronic diagrams.
- Summarize the operations and methods used during ordnance and emergency responses.
- Describe the safety precautions used when handling explosives.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (20 semester hours)

- [HLSS230 - Chemistry of Explosives](#)
- [HLSS231 - History of Explosive Ordnance Disposal](#)
- [HLSS232 - Electronics, Electricity and Explosives](#)
- [HLSS233 - Explosive Incident Assessment: Methods, Practices and Protocols](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)

Final Program Requirements (3 semester hours)

- [EXOD299 - Sophomore Seminar in Explosive Ordnance Disposal](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)
There are no elective requirements for this degree.

Total = 64 semester hours

Associate of Science - Fire Science

The Associate of Science in Fire Science provides students with the foundation for beginning practice in the Fire Science profession, as well as a springboard to additional study at the baccalaureate level.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Fire Science also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Describe the historical development of fire protection and response from its origins through contemporary times.
- Identify and differentiate the various forms of fire, their fundamental scientific principles, and their associated mitigation and response strategies.
- Describe the legal and regulatory duties and responsibilities of the fire department as a public organization.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)

CHIN100 - Chinese I (Mandarin)

- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab

- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [FSMT102 - Fire Behavior and Combustion](#)
- [FSMT188 - Fire Prevention](#)
- [FSMT201 - Fire Protection Systems](#)
- [FSMT210 - Fundamentals of Fire Protection](#)
- [FSMT287 - Fire Protection in Building Construction](#)
- [FSMT289 - Fire Protection Hydraulics and Water Supply](#)

Final Program Requirements (3 semester hours)

- [FSMT299 - Sophomore Seminar in Fire Science](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Paralegal Studies

The Associate of Science in Paralegal Studies prepares students for paraprofessional positions in the legal field. Graduates may use their degree to obtain an immediate position in the field or choose to pursue further study. Students pursuing an Associate of Science in Paralegal Studies must obtain specific skill sets before being eligible for graduation. In addition to becoming familiar with basic principles of the law, students will also acquire analytical, technical, and communication skills.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Paralegal Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of paralegal studies, graduates in this degree program will be able to:

- Apply legal research methods and techniques that are used in the practice of law.
- Develop skills in legal reasoning, in identifying and effectively using legal resources and in writing legal documents.
- Evaluate the importance of secondary sources in legal research.
- Describe the primary rules and sources and roles of each in legal research.
- Distinguish how advice, persuasion, and advocacy enter into legal research.
- Demonstrate knowledge of the nature, function, principles, and concepts as they relate to the paralegal and apply critical legal thinking and analytical skills to resolve typical situations or facts.
- Comprehend and describe what a paralegal is and how one fits into the legal system.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [LSTD100 - Introduction to Law for Paralegals](#)
- [LSTD201 - Litigation](#)
- [LSTD202 - Real Estate Law](#)
- [LSTD203 - Criminal Law and Procedure for the Paralegal](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD210 - Legal Ethics](#)

Final Program Requirements (3 semester hours)

- [LSTD299 - Sophomore Seminar in Paralegal Studies](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Public Health

The Associate of Science in Public Health will serve those professionals who wish to gain an entry-level position in public health and health services administration professions in a limited or technical manner. Graduates would be able to continue and earn a Bachelor of Science in Public Health to raise their employability in the profession.

Program Objectives:

In addition to the institutional and general education learning level objectives, the Associate of Science in Public Health also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to serve as practicing Public Health Professionals and:

- Explain how and why they are a part of a global community and how the health of one nation or community affects the planet as a whole.
- Explain why the profession of public health is dynamic, political, and controversial. To face health issues, a professional must define the public as diverse with many views, beliefs, values and concerns.
- Possess the training and competence in the use of technologies to deliver health care services to their communities.
- Choose and use the appropriate policies, educational programs, and incentives to develop and maintain individual and community lifestyles that promote optimal health.
- Develop a continuum of supportive public health services appropriate for their community.
- Resolve conflicts over public health and health care issues.
- Ensure that the findings of current public health research are communicated to their communities in an appropriate manner.
- Assure communities of the right to receive sufficient information from suppliers of health care technologies, health care providers, and relevant governmental agencies.
- Explain and assist in the development of a safe community environment.
- Maintain involvement with their communities to assure appropriate education regarding public health matters.
- Maintain the utmost ethical standards in their personal and professional conduct.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors

- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [COMM285 - Interpersonal Communications](#)
- [MGMT312 - Leadership & Motivation](#)
- [PBHE112 - Health Services Organization](#)
- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PHIL200 - Introduction to Ethics](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Web Publishing

The explosive growth of the Internet has generated a significant need for Web Publishing professionals and consequently for education in Web Publishing. The Associate of Science in Web Publishing Program fills this educational need; it focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with the World Wide Web and with Web Publishing. This program produces academically sound and functionally competent Web Publishing professionals with the necessary foundation to be productive in the IT industry. This program is market driven; it prepares learners to exploit the high demand for Web Publishing professionals in various industry sectors.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Web Publishing Program also seeks the following specific learning outcomes of its graduates:

- Assess the architecture, protocols, tools, and techniques on the Internet and the World Wide Web.
- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Web Publishing solutions.
- Examine the foundational principles and concepts of object-oriented programming (OOP).
- Evaluate the principles of design and analyze the process for building web sites.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (15 semester hours)

- DSIN121 - Web Page and Web Site Design
- WEBD121 - Web Development Fundamentals
- WEBD241 - Web Development using JavaScript
- WEBD242 - Web Development using XHTML
- WEBD262 - Web Development using DreamWeaver

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Applied Science - Health Sciences

The Associate of Applied Science in Health Sciences is intended for military personnel who have completed training in the Medical and Health Sciences. Students must be an active, guard, reserve, veteran or retired member of the military. The purpose of this degree program is to provide students with basic general education skills to complement their military medical science training as Medical Assistants, Laboratory Technicians, Dental Assistants, and numerous other medical services related occupations. In addition, this degree program will prepare students for further education in the future.

This program has special admission requirements.

Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will NOT be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

Program Objectives:

Students who successfully complete the Associate of Applied Science in Health Sciences will have completed the following objectives:

- Apply learning practices from health sciences training to associate degree level education courses.
- Demonstrate effective verbal and written communication skills.
- Integrate concepts from military health sciences training with broader general education knowledge acquired at APUS.
- Demonstrate a commitment to learning and broadening skills to become eligible for increased responsibility and advancement in military medical services.
- Demonstrate interest in pursuing higher learning opportunities generated by successful completion of the Associate in Applied Science degree.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (12 semester hours)

Communications - 6 semester hours
<ul style="list-style-type: none">• COMM200 - Public Speaking• COMM240 - Intercultural Communication• COMM285 - Interpersonal Communications• ENGL101 - Proficiency in Writing [Required]• ENGL200 - Composition and Literature

Mathematics - 3 semester hours
<ul style="list-style-type: none">• MATH110 - College Algebra• MATH111 - College Trigonometry

- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Social Sciences - 3 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Major Requirements (30 semester hours)

Military health-related courses, completed at the Medical Education and Training Campus (METC), Ft. Sam Houston, TX. Up to all 30 semester hours can be transferred based on METC course completion.

Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will NOT be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

And select from the following APUS courses to fulfill any of the 30 semester hours remaining:

- [SCIN130 - Introduction to Biology with Lab](#) (4 hours)
- [SCIN131 - Introduction to Chemistry with Lab](#) (4 hours)
- [SCIN132 - Human Anatomy and Physiology with Lab](#) (4 hours)
- [SCIN133 - Introduction to Physics with Lab](#) (4 hours)
- [SCIN139 - Introduction to Human Ecology with Lab](#) (4 hours)
- [SCIN202 Introduction to Microbiology](#) (3 hours) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN211 Principles of Genetics](#) (4 hours) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN360 Advanced Human Anatomy and Physiology](#) (3 hours) [Prerequisite: SCIN132 - Human Anatomy and Physiology with Lab]

Elective Requirements (15 semester hours)

Elective courses may be completed by military training courses recognized by the American Council on Education, college transfer courses, national tests, or courses completed through American Military University or American Public University.

Total = 60 semester hours

Bachelor of Business Administration

This degree program is professionally focused degree and is designed to produce graduates who possess practical knowledge and associated critical thinking skills desired in today's competitive business world. Students will be grounded in the study of business through a core curriculum of management, information systems, marketing, law, finance, accounting, economics, and business strategy. They are also given the opportunity to pursue interesting specializations in areas of their choice including business analysis, entrepreneurial/small business, international business management, information technology management, and marketing. This degree is applicable for any student interested in or working in any number of business, government, military, or other professions.

Statement of Mission - School of Business

APUS' School of Business mission is to prepare students to be principled leaders in the global business community through a flexible learning environment that leverages technology and best practices focused on the practical application of knowledge.

Priorities:

- Curriculum: Provide a well-rounded curriculum that blends practical, real-world application and theoretical aspects of business and economics in a global context.
- Teaching: Foster understanding through strategic goals, quality instruction, and continuous evaluation by faculty who are real-world practitioners and scholars.
- Student Interaction: Encourage students to reach their highest potential through collaborative relationships that motivate and sustain growth individually and organizationally.
- Learning Outcomes: Build competencies in effective communication, critical thinking, quantitative experience, knowledge-based decision making, and ethical behavior.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of business administration, graduates in this degree program will be able to accomplish the following:

- Explain and apply fundamental accounting and financial management operations to enhance business decision-making processes.
- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply management, human resource, and personnel practices to organizational problem solving.
- Integrate market and marketing information into a strategic plan.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to business situations.
- Articulate the external and internal environments of a business organization and formulate appropriate strategies in the context of competitive forces and environmental factors.
- Collect information through the use of various data tools and apply critical thinking concepts to enhance business problem solving capabilities.
- Describe how information systems transform business processes within the modern corporate organization.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (39 semester hours)

- ACCT100 - Accounting I [Prerequisite: MATH110 - College Algebra]
- ACCT101 - Accounting II [Prerequisite: ACCT100 - Accounting I]
- BUSN100 - Basics of Business
- BUSN311 - Law and Ethics in the Business Environment
- BUSN312 - Operations Research [Prerequisite: MATH110 - College Algebra or MATH225 - Calculus]
- BUSN313 - Global and Competitive Strategy
- BUSN410 - Critical Thinking Strategies for Business Decisions
- ECON201 - Microeconomics for Business
- ECON202 - Macroeconomics for Business
- FINC300 - Foundations of Financial Management
- MATH302 - Statistics [Prerequisite: MATH110 - College Algebra or MATH111 - College Trigonometry or MATH225 - Calculus]
- MGMT101 - Principles of Supervision [Prerequisite: ENGL101 - Proficiency in Writing]
- MKTG201 - Fundamentals of Marketing

Students must choose a concentration for this degree program and may select from a General Concentration, Business Analysis, Economics, Entrepreneurial/Small Business Management, Information Technology Management, International Business Management or a Concentration in Marketing.

General Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- BUSN316 - Fundamentals of Entrepreneurship
- BUSN318 - Small Business Management
- BUSN320 - Principles of E Business
- BUSN330 - Fundamentals of Business Analysis I
- BUSN331 - Fundamentals of Business Analysis II
- BUSN332 - Business Use Cases
- BUSN333 - Project Management for Business Analysts
- BUSN412 - Quality Management Systems
- BUSN415 - Small Business Growth and Development
- BUSN419 - International Business Management
- BUSN490 - Business Administration Independent Study
- ECON301 - Comparative Economics
- ECON302 - Environmental Economics
- ECON303 - International Economics
- ECON304 - Monetary Economics
- ENTR311 - Business Plan Foundations
- FINC410 - International Finance
- HRMT427 - International Human Resource Management

- [ITCC200 - Application Software Integration](#)
- [ITMG321 - Information Technology Project Management](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG421 - Virtual Management](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)
- [MKTG407 - International Marketing](#)
- [WEBD311 - Internet Concepts](#)

Concentration in Business Analysis (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Business Analysis seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.
- Evaluate and recommend business solutions.
- Develop business processes and improvements.
- Develop functional business capabilities.
- Facilitate and manage recommended projects.

Concentration Requirements (12 semester hours)

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)

Concentration in Economics (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Economics seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Evaluate analytical frameworks for current and changing economic conditions.
- Analyze the impact of economic externalities for business and proposed business ventures
- Evaluate impacts of economic conditions on consumer behavior and businesses.
- Compare and contrast global economic strategies.
- Analyze the roles and responsibilities of financial institutions.

Concentration Requirements 12 semester hours

- [ECON301 - Comparative Economics](#)
- [ECON302 - Environmental Economics](#)
- [ECON303 - International Economics](#)
- [ECON304 - Monetary Economics](#)

Concentration in Entrepreneurial/Small Business Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Entrepreneurial/Small Business Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Examine small business opportunities.
- Define small business characteristics and competencies.
- Evaluate consumer behavior.
- Develop product and pricing strategies.
- Develop and execute small business budgets.

Concentration Requirements (12 semester hours)

- [BUSN316 - Fundamentals of Entrepreneurship](#)
- [BUSN318 - Small Business Management](#)
- [BUSN415 - Small Business Growth and Development](#)
- [ENTR311 - Business Plan Foundations](#)

Concentration in Information Technology Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Information Technology Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Examine Internet protocols, middleware, interfaces, security, and applications.
- Evaluate workplace productivity, legal ramifications, and policies related to Internet access.
- Outline the process and the phases pertaining to managing information systems projects.
- Appraise the technology, communications, and policy issues related to managing virtual teams.

Concentration Requirements (12 semester hours):

- [ITMG321 - Information Technology Project Management](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG421 - Virtual Management](#)
- [WEBD311 - Internet Concepts](#)

Concentration in International Business Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in International Business Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Compare and contrast the management strategies around the world.
- Examine the challenges of managing multicultural and distributed teams.
- Appraise the roles and responsibilities of the Human Resource Manager in the context of an international workforce.
- Analyze the interactions and trends between the world economies; also assess the tools and techniques used to mitigate financial risk in conducting international business.
- Evaluate the tools, methods, and practices of marketing in the global context.

Concentration Requirements (12 semester hours)

- [BUSN419 - International Business Management](#)
- [FINC410 - International Finance](#)
- [HRMT427 - International Human Resource Management](#)
- [MKTG407 - International Marketing](#)

Concentration in Marketing (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Marketing seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Develop a strategic marketing plan.
- Apply concepts in psychology and sociology relevant to consumer behavior.
- Analyze business markets, customer markets, and buyer markets using concepts and techniques of research for marketing decisions including problem definition, research objectives, execution and research management, and presentation of findings.

Concentration Requirements (12 semester hours)

- [BUSN320 - Principles of E Business](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)

Final Program Requirements (3 semester hours)

- [BUSN499 - Senior Seminar in Business Administration](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Criminal Justice

This degree program prepares students for a wide range of careers within the criminal justice field, and at the same time, enhances the professional career paths of those already within the discipline. The degree program's interdisciplinary approach provides students with a sound knowledge base in the areas of U.S. law enforcement, criminology, investigations, law, and community relations. A wide range of course offerings further enable students to focus on juvenile issues, causes of crime and criminal behavior, corrections and incarceration, investigative procedures/techniques, and forensics. For those students interested, concentrations in Organizational Law Enforcement Leadership and Maritime Law Enforcement are available. The curriculum also provides the background and educational experience necessary for those who may wish to later pursue graduate study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Criminal Justice also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of criminal justice, graduates in this degree program will be able to:

Criminal Justice Administration and Organization

- Recognize and explain the major international, U.S., and localized law enforcement systems and organization.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.

Criminal Justice Theories and Concepts

- Communicate and apply the major theories and concepts of crime, criminal justice, and criminology.
- Conduct research associated with criminal justice and criminology theories.

Criminal Justice Operations, Practices, and Processes

- Assess the operations, practices, and processes associated with leading standards of evidence and law.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [CMRJ201 - Criminal Justice Administration](#)

CMRJ300 - Research Methods of Criminal Justice and Security

- CMRJ302 - U.S. Law Enforcement
- CMRJ303 - Criminology
- CMRJ306 - Criminal Investigation
- CMRJ308 - Ethics in Criminal Justice
- CMRJ316 - Corrections and Incarceration
- LSTD301 - Constitutional Law
- LSTD302 - Criminal Law
- LSTD400 - Criminal Legal Process

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Maritime Law Enforcement, or the Concentration in Organizational Law Enforcement Leadership.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- ANTH203 - Introduction to Forensic Anthropology
- CMRJ100 - Introduction to Law Enforcement
- CMRJ101 - Evidence and Procedures
- CMRJ202 - Stress Management in Law Enforcement
- CMRJ203 - Patrol Methodologies and Community Policing
- CMRJ205 - Rape and Sexual Violence
- CMRJ206 - Juvenile Delinquency
- CMRJ285 - Rehabilitation, Reentry, and Reintegration
- CMRJ310 - Drug Dynamics in Criminal Justice
- CMRJ314 - Contemporary Criminal Justice Issues
- CMRJ317 - Probation and Parole
- CMRJ320 - Law Enforcement Intelligence Applications
- CMRJ322 - Crime and the Family
- CMRJ324 - The History of Organized Crime
- CMRJ327 - Gang Theory, Practice, & Suppression
- CMRJ329 - Criminal Profiling
- CMRJ335 - Crime Analysis
- CMRJ341 - Criminalistics
- CMRJ400 - Crime and the Media
- CMRJ401 - Human Trafficking
- CMRJ402 - The Pathology of Death Investigations
- CMRJ490 - Independent Study: Criminal Justice
- COMM240 - Intercultural Communication
- COMM285 - Interpersonal Communications
- INTL411 - International Crime Organizations
- INTL431 - Criminal Intelligence Analysis
- LSTD204 - Introduction to the Courts
- LSTD453 - Evidence
- SCMT319 - Global Terrorism
- SCMT370 - Principles and Theory of Security Issues

Concentration in Maritime Law Enforcement (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze various policy and operational strategies used to ensure the security of border and coastal access.
- Examine ports to trade and their vulnerability to disruption and attack, as well as defensive measures to protect ports from disruption.
- Identify chemical, biological, and radiological bases for classification of, and emergency response to incidents involving, hazardous material.
- Assess the impact of terrorism on U.S. national security.
- Explore the laws and doctrines governing navigation and shipping, as well as the law of the sea.

Concentration Requirements (15 semester hours)

- [EDMG240 - Chemistry of Hazardous Materials](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [LSTD401 - Maritime Law](#)

Concentration in Organizational Law Enforcement Leadership (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify your personal leadership style and explain the benefits of your leadership style on the organization.
- Analyze necessary organizational leadership skills in given situations and prepare a plan of action for improving organizational leadership abilities.
- Contrast the value of diversity and apply its strengths in leadership roles.
- Develop critical thinking skills about decisions in a manner that is socially responsible and responsive.
- Demonstrate a persuasive and collaborative approach which encourages a teaming environment.
- Employ organizational accountability to build innovative organizations that respond to ever changing environments.

Concentration Requirements (15 semester hours)

- [FINC405 - Budget Development and Execution](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [MGMT312 - Leadership & Motivation](#)
- [MGMT313 - Organizational Change](#)

Final Program Requirements (3 semester hours)

- [CMRJ499 - Senior Seminar in Criminal Justice](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Emergency and Disaster Management

The nature of disasters and large-scale catastrophic events requires professionals with a background and education in dealing with natural and man-made hazards. This degree prepares students for careers in emergency management and public safety careers. From the smallest incident to the largest catastrophe, our emergency and disaster management stresses the fact that “all disasters are local,” which is a foundational emergency management concept. In addition, we introduce our students to the all-hazards approach, emergency and disaster management phases, risk assessment, prevention and management, counter-terrorism, consequence management, mitigation, and recovery.

Emergency and disaster management faculty has credentials in antiterrorism, forensics, explosives ordnance disposal, pre-disaster mitigation, planning, response to natural disasters, rapid deployment, fire services at local, tribal, and state levels, as well as at the national level. Many faculty members are board-certified emergency managers (CEM) through the International Association of Emergency Managers (IAEM). In addition, many adjunct faculty serve in key positions at the U.S. Department of Homeland Security, State Department, Federal Bureau of Investigation, National Fire Academy, Transportation Security Administration, and the Federal Emergency Management Agency. Our Emergency and Disaster Management program is recognized by the Foundation of Higher Education for Disaster and Emergency Management and Homeland Security. We are the first 100% on-line institution to receive this important distinction.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Emergency and Disaster Management also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Identify the goals of disaster management from prevention/reduction of loss due to hazards, disasters, and emergencies.
- Differentiate between response strategies for the various emergency and disaster incidents.
- Examine the phases of the cycle of disasters.
- Compare and contrast the roles and responsibilities of the individuals and agencies in an emergency and disaster incident.
- Analyze factors and coping strategies involved in emergencies and disasters.
- Demonstrate emergency and disaster preparedness from planning to recovery.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (31 semester hours)

- COLL300 - Research, Analysis, and Writing
- EDMG101 - Introduction to Emergency Management
- EDMG220 - Emergency Planning
- EDMG230 - Emergency and Disaster Incident Command
- EDMG320 - Natural Disaster Management
- EDMG340 - Consequence Management
- PBHE413 - Special Operations in Emergency Medical Services
- POLS410 - Public Policy
- PSYC431 - Psychology of Disaster
- SCIN137 - Introduction to Meteorology with Lab

Major Requirements (12 semester hours)

Select 4 courses from the following:

- EDMG240 - Chemistry of Hazardous Materials
- EDMG259 - Hazard Mitigation and Preparedness
- EDMG321 - Social Media Applications to Emergency and Disaster Management
- EDMG420 - Risk Communications
- HLSS154 - Mind of a Terrorist
- HLSS211 - Emergency Response to Terrorism
- HLSS212 - Chemical, Biological, and Radiological Hazards
- HLSS215 - Regulatory Issues in Weapons of Mass Destruction
- HLSS230 - Chemistry of Explosives
- HLSS231 - History of Explosive Ordnance Disposal
- HLSS232 - Electronics, Electricity, and Explosives
- HLSS233 - Explosive Incident Assessment: Methods, Practices, Protocols
- HLSS234 - Organization for Explosive Ordnance Disposal
- HLSS302 - Introduction to Homeland Security and Defense
- HLSS311 - Border and Coastal Security
- HLSS312 - Port Security
- PBHE426 - Quarantine
- TLMT381 - Hazardous Materials Management

Final Program Requirements (3 semester hours)

- EDMG498 - Senior Seminar in Emergency and Disaster Management [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Arts in English

Students in this program learn to organize thoughts and ideas and express them with eloquence and clarity as they explore English, American, and World Literature. Students graduating from this program apply their skills and abilities in professions requiring exceptional communication skills such as public relations, editing, writing, desktop publishing, reporting, legal and research assistance.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in English also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of English, graduates in this degree program will be able to:

Expression and Communication

- Demonstrate the ability to effectively express ideas and evidence in writing.
- Discuss representative literary texts and critical theory to enhance a life-long learning process.
- Conduct an analysis of a literary work and discuss the history and characteristics of various periods and genres.
- Analyze written materials and examine the relevance of multiple interpretations in a diverse society.
- Demonstrate knowledge of literature in the British and American canon and beyond, in order to apply their interpretations against their own cultural experience.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (30 semester hours)

- COLL300 - Research, Analysis, and Writing
- ENGL230 - Introduction to Linguistics
- ENGL401 - History of the English Language
- LITR310 - British Fiction
- LITR316 - British Poetry
- LITR320 - American Fiction
- LITR322 - American Poetry I
- LITR330 - Literary Theory

Select 1 course from the following:

- LITR403 - The Work and Life of Ernest Hemingway
- LITR404 - Mark Twain

And select 1 course from the following:

- [LITR402 - Shakespeare: An Author for the Ages](#)
- [LITR406 - The Literary Works of Geoffrey Chaucer](#)

Students must choose a concentration for this degree program and may select the General Concentration or the Concentration in Writing.

General Concentration (18 semester hours)

Select 6 courses from the following:

- [COMM350 - Journalism](#)
- [ENGL120 - Creative Writing](#)
- [ENGL220 - Technical Writing](#)
- [ENGL225 - Business Writing](#)
- [ENGL320 - Freelance Writing](#)
- [ENGL321 - Screenwriting](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL322 - The Personal Essay](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL420 - Advanced Creative Writing](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL421 - The Novella](#) [Prerequisite: ENGL120 - Creative Writing]
- [LITR324 - African-American Literature](#)
- [LITR328 - The Legends of King Arthur](#)
- [LITR340 - Modern Epic Fantasy](#)
- [LITR341 - Folklore](#)
- [LITR355 - Latin American Literature](#)
- [LITR360 - Russian Literature](#)
- [LITR365 - Middle Eastern Literature](#)
- [LITR370 - African Literature](#)
- [LITR385 - Asian-American Literature](#)
- [LITR405 - Medieval European Literature](#)

Concentration in Writing (18 semester hours)

- [COMM350 - Journalism](#)
- [ENGL120 - Creative Writing](#)

Select 4 courses from the following:

- [ENGL220 - Technical Writing](#)
- [ENGL225 - Business Writing](#)
- [ENGL320 - Freelance Writing](#)
- [ENGL321 - Screenwriting](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL322 - The Personal Essay](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL420 - Advanced Creative Writing](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL421 - The Novella](#) [Prerequisite: ENGL120 - Creative Writing]

Final Program Requirements (3 semester hours)

- [ENGL498 - Senior Seminar in English](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Entrepreneurship

This degree program is designed to equip graduates with a practical, hands-on understanding of what it takes to run a successful business in today's business environment. Students will learn about leveraging and a variety of business opportunities into viable business entities. Studies include marketing, management, operations, finance, accounting, and the legal aspects of running a business. This degree is applicable for any student who has a desire to start his/her own business, plans to take over a family owned business, or otherwise works in an entrepreneurial enterprise.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to entrepreneurial business enterprises
- Compose an entrepreneurial business strategy based on in depth analysis of internal and external factors and competitive and environmental forces.
- Apply critical thinking and decision-making skills by collecting data through various research tools in order to develop alternatives and solve problems objectively.
- Practice quantitative skills necessary in to grow an entrepreneurial business through work in accounting, finance, and statistics.
- Develop a marketing plan to support an entrepreneurial business that leverages its overall business strategy.
- Practice analytical skills necessary to operate a business efficiently and effectively.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [ACCT105 - Accounting for Non-Accounting Majors](#)
- [ENTR150 - Idea Generation](#)
- [ENTR200 - Leadership in Small Business Ventures](#)
- [ENTR215 - Innovation Design and Prototyping](#)
- [ENTR216 - Service Innovation and Delivery](#)
- [ENTR300 - Foundations of Entrepreneurship](#)
- [ENTR311 - Business Plan Foundations](#)
- [ENTR315 - Financing a New Venture](#)
- [ENTR320 - Practical Law for the Entrepreneur](#)

- [ENTR410 - Money Management for Entrepreneurs](#)
- [ENTR415 - Marketing the Successful Small Business](#)
- [ENTR425 - Operating a Small Business](#)
- [ENTR430 - Virtual Small Business](#)

Major Requirements (12 semester hours)

- [BUSN415 - Small Business Growth and Development](#)
- [ENTR310 -The Family Owned Business](#)
- [ENTR340 - Small Business Customer Service](#)
- [ENTR420 - Social Media to Grow Small Business](#)

Final Program Requirements (3 semester hours)

- [ENTR499 - Small Business Senior Seminar](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in General Studies

The Bachelor of Arts in General Studies is designed to meet the individual needs of the student. Students in this program focus on the development of critical thinking through the study of four different disciplinary areas or fields of study: management and technology; culture, society and the environment; national and local security; liberal and interpretive arts. This major offers students a chance to develop an appreciation and grasp of several academic disciplines. Students graduating from this program apply their skills and abilities in public policy, government-related fields, multiple professions, human resources, and public service. The program also prepares students for entry into graduate studies.

Degree Program Objectives

In addition to the institutional- and degree-level learning outcomes objectives, the B.A. in General Studies seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Apply skills and knowledge gained from the study of different academic disciplines.
- Demonstrate critical thinking and writing skills.
- Analyze written materials and examine the relevance of multiple interpretations in a diverse society.
- Express knowledge in four different disciplines or fields of study.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (3 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)

Major Requirements (36 semester hours)

Select 3 courses from each of the four discipline areas or fields of study below:

Management and Technology

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- [BUSN310 - Business Theory](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN313 - Global and Competitive Strategy](#)
- [ENTD361 - Enterprise Development Using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

- FINC400 - Principles of Financial Management
- FINC405 - Budget Development and Execution
- FINC410 - International Finance
- HRMT310 - Career Counseling
- HRMT407 - Human Resource Management
- HRMT411 - Dispute Resolution
- HRMT412 - Compensation and Benefits
- HRMT413 - Employment and Labor Relations
- INFO321 - Database Management Systems
- INFO331 - Management Information Systems
- ITMG321 - Information Technology Project Management
- ITMG322 - Project Management Using MS Project
- ITMG371 - Contemporary Internet Topics
- ITMG381 - Cyberlaw and Privacy in a Digital Age
- ITMG421 - Virtual Management
- MGMT310 - Principles and Theory of Management
- MGMT311 - Organizational Behavior
- MGMT312 - Leadership & Motivation
- MGMT313 - Organizational Change
- MGMT314 - Management Ethics
- MKTG301 - Principles of Sales
- MKTG304 - Public Relations
- SPST300 - Introduction to Space Studies [Prerequisite: MATH111 - College Trigonometry]
- SPST303 - History of Space
- SPST304 - National Space Organization
- SPST307 - Space Policy
- SPST475 - History of Astronomy

National and Local Security

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- CMRJ302 - U.S. Law Enforcement
- CMRJ303 - Criminology
- CMRJ308 - Ethics in Criminal Justice
- CMRJ314 - Contemporary Criminal Justice Issues
- CMRJ324 - The History of Organized Crime
- DEFM305 - Acquisition Business Management
- DEFM310 - Program and Acquisition Management I
- DEFM311 - Program and Acquisition Management II
- DEFM312 - Defense Budget Development and Execution
- DEFM314 - Military Logistics
- EDMG320 - Natural Disaster Management
- EDMG330 - Managerial Issues in Hazardous Materials
- EDMG340 - Consequence Management
- EDMG420 - Risk Communications
- FSMT321 - Community Fire Mitigation and Protection
- FSMT362 - Fire Administration and Finance
- FSMT405 - Fire Safety and Risk Regulation

FSMT410 - Fire Regulation, Policy, and Law

- HLSS311 - Border and Coastal Security
- HLSS312 - Port Security
- HLSS320 - Intelligence and Homeland Security
- INTL301 - U.S. Intelligence Community
- INTL303 - Introduction to Intelligence
- INTL304 - Intelligence Collection
- INTL402 - Intelligence Analysis
- LSTD301 - Constitutional Law
- LSTD302 - Criminal Law
- LSTD306 - International Law
- LSTD400 - Criminal Legal Process
- LSTD453 - Evidence
- PBHE315 - Health Economics and Finance
- PBHE361 - Moral Issues in Health Care
- PBHE413 - Special Operations in Emergency Medical Services
- PBHE426 - Quarantine
- SCMT370 - Principles and Theory of Security Issues
- SCMT371 - Legal and Ethical Issues in Security Management
- SCMT373 - Evaluation of Security Programs
- SCMT390 - Security Administration
- SCMT397 - Physical Security
- TLMT311 - Introduction to Transportation Management
- TLMT312 - Transportation Economics
- TLMT313 - Supply Chain Management
- TLMT318 - Hazardous Materials Transportation
- TLMT331 - Fundamentals of Intermodal Transportation

Culture, Society and the Environment

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- CHFD340 - Family Development
- CHFD342 - Human Life Span Development
- CHFD350 - Family Life Education
- CHFD445 - Family Communications
- EDUC320 - Classroom Management
- EDUC401 - Curriculum Design
- EDUC402 - Measurement and Evaluation
- EVSP316 - U.S. Federal Environmental Organization
- EVSP320 - Energy and Resource Sustainability
- EVSP330 - Fish and Wildlife Policy, Programs, and Issues
- EVSP411 - Environmental Policy, Regulation, and Law
- EVSP413 - Environmental and Ecosystems Management
- IRLS300 - Comparative Political Systems
- IRLS301 - International Organizations
- IRLS332 - Asian Peoples and Cultures
- IRLS357 - Latin American Peoples and Culture
- POLS311 - Political Parties and Interest Groups
- POLS312 - State, Local, and Community Politics

- POLS410 - Public Policy
- PSYC324 - Psychology of Addiction & Substance Abuse
- PSYC343 - Adult Development
- PSYC360 - Psychology of Terrorism
- PSYC431 - Psychology of Disaster
- PSYC432 - Psychology of Combat
- SOCI311 - Political Sociology
- SOCI315 - Food and Culture [Prerequisite: ENGL101 - Proficiency in Writing]
- SOCI321 - Environmental Sociology
- SOCI422 - Sociology of the Law [Prerequisite: SOCI111 - Introduction to Sociology]

Liberal and Interpretive Arts

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- HIST402 - Colonial America
- HIST406 - Civil War And Reconstruction, 1861-1877
- HIST408 - The United States: 1900 to Second World War
- HIST409 - The United States: WW II to the Present
- HIST415 - The Cold War
- LITR316 - British Poetry
- LITR320 - American Fiction
- LITR322 - American Poetry I
- LITR402 - Shakespeare: An Author for the Ages
- MILH320 - The American Revolution
- MILH355 - World War I
- MILH360 - World War II
- PHIL300 - Logic
- PHIL301 - Ethical Theory and Concepts
- PHIL320 - Environmental Ethics
- PHIL400 - Contemporary Issues in Philosophy
- PHIL415 - Enlightenment Philosophy
- RELS311 - Introduction to the Bible
- RELS330 - Religions of the Middle East
- RELS350 - Hinduism
- RELS351 - Buddhism
- RELS405 - Myth and Ritual
- WOMS319 - Transnational and Global Issues in Women's Studies
- WOMS320 - Introduction to Feminist Thought
- WOMS321 - Contemporary Women's Issues
- WOMS400 - Women of Color: Cross-Cultural Comparison
- WOMS410 - Women and Leadership

Final Program Requirements (3 semester hours)

- COLL498 - Senior Seminar in General Studies (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in History

This degree ensures that students will learn about the "big picture" through exposure to four historical perspectives, while allowing them to tailor the major to individual needs during the junior and senior years. Students in this program are exposed to the social impact, consequences, and changes of various pivotal historical events. They learn critical and analytical thinking, and effective writing and research methods. Students graduating from this program apply their skills and abilities as curators and archivists or in professions involving research, writing, editing, advocacy, politics, and historical preservation.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context.
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (9 semester hours)

- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST300 - Research Methods in History](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in American History, Concentration in European History, or Concentration in Global History.

General Concentration (42 semester hours)

Students who pursue a General History Concentration are exposed to the social impact, consequences, and changes of various pivotal historical events. They will learn critical and analytical thinking and effective writing and research methods. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover American History, Ancient and Classical History, Diplomatic History, and Global Cultures and History.

Objectives

Upon completion of this concentration, students will be able to:

- Identify a broad knowledge of historical literature that pertains to the topic of study included in the degree program.
- Describe and locate the linkage between historical studies and allied disciplines.
- Compare and contrast the historical experiences that go beyond a single time period and national or cultural experience.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze history from diverse perspectives of ancient and contemporary historical cultures, nations, and regions.
- Analyze history from in-depth study of one or more periods, cultures, nations, regions, or seminal events.
- Analyze historical material to make judgments, to establish causal relationships between facts, to find order and patterns, and to answer why and how - not just simply report.
- Demonstrate an understanding of history as a creative art, a subjective discipline and an imaginative interpretation of the past.

Concentration Requirements (42 semester hours)

- [HIST491 - Writing a Research Proposal](#)

Select 6 courses from the following:

- [HIST402 - Colonial America](#)
- [HIST403 - The Early Republic, 1783-1815](#)
- [HIST404 - Jacksonian America, 1815-1846](#)
- [HIST405 - Antebellum America, 1846-1861](#)
- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [HIST407 - The Gilded Age, 1877-1900](#)
- [HIST408 - The United States: 1900 to Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)
- [HIST415 - The Cold War](#)

And select 7 courses from the following:

- [HIST230 - History of East Asia](#)
- [HIST290 - History of the Holocaust](#)
- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST303 - The Middle Ages](#)
- [HIST304 - The Renaissance](#)
- [HIST305 - France in the Age of Enlightenment](#)
- [HIST306 - The British Empire](#)
- [HIST307 - The Age of Dictators: Europe 1914-1945](#)
- [HIST308 - History of European Colonialism](#)
- [HIST310 - History of Modern Europe](#)
- [HIST320 - History of Russia](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [HIST360 - History of Latin America](#)
- [HIST370 - Asia and the Modern World](#)

[HIST480 - Special Topic: History](#) (Students may take this course twice for credit.)

- [HIST490 - Independent Study: History](#)

Concentration in American History (42 semester hours)

A student enrolled in the Concentration in American History is recommended to take HIST101 - American History to 1877, and HIST102 - American History after 1877.

Students who pursue a concentration in American History will concentrate on American history from the Colonial Period to the present. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the United States. Topics cover foreign policy and military operations as well as the domestic political, economic, and social components of America.

Objectives

Upon completion of this concentration, students will be able to:

- Compare and contrast the philosophy of early American leaders and how this resulted in a break from the British Empire,
 - Analyze the reasons America pushed westward and what that expansion entailed.
 - Identify and give examples of the causes of the Civil War.
 - Differentiate the outcomes of the Civil War in the North and the South.
 - Assess the social, economic, and political situation in America leading up to the 20th century.
 - Expound upon the technical revolution in America at the turn of the 20th Century.
 - Identify the causes of the Great Depression and recognize the attempts that were made to bring America out of it.
 - Analyze America's reasoning for joining both World Wars.
 - Elaborate on the political background of the Cold War and what factors led to the diplomatic meltdown between the United States and the Soviet Union.
 - Integrate the cultural revolution of the 1960s and what was happening in Vietnam.
 - Identify major political, cultural, and economic developments in the 1980s, 1990s, and in the 21st Century.
- Concentration Requirements (42 semester hours).

Concentration Requirements (42 semester hours)

- [HIST402 - Colonial America](#)
- [HIST403 - The Early Republic, 1783-1815](#)
- [HIST404 - Jacksonian America, 1815-1846](#)
- [HIST405 - Antebellum America, 1846-1861](#)
- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [HIST407 - The Gilded Age: 1877-1900](#)
- [HIST408 - The United States: 1900 to Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)
- [HIST491 - Writing a Research Proposal](#)
- [MILH320 - The American Revolution](#)

And select 4 courses from the following:

- [HIST290 - History of the Holocaust](#)
- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST303 - The Middle Ages](#)
- [HIST305 - France in the Age of Enlightenment](#)

- [HIST306 - The British Empire](#)
- [HIST308 - History of European Colonialism](#)
- [HIST310 - History of Modern Europe](#)
- [HIST320 - History of Russia](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [HIST370 - Asia and the Modern World](#)
- [HIST480 - Special Topic: History](#) (Students may take this course twice for credit.)
- [HIST490 - Independent Study: History](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)

Concentration in European History (42 semester hours)

A student enrolled in the Concentration of European History is recommended to take HIST121 - Western Civilization before The Thirty Years' Wars, and HIST122 – Western Civilization after the Thirty Years' War as part of their General Education Requirements.

Students who pursue a concentration in European History will focus on developments that took place in Europe from ancient Greece to the present. Students will study the political, philosophical, scientific, and social changes that laid the foundation for early Europe to the key developments that led to the major European wars of the 19th and 20th centuries. Topics concentrate on the development of political, economic, and cultural institutions in early European societies and the rise of Europe as a global power in the modern period.

Objectives

Upon completion of this concentration, students will be able to:

- Identify and discuss the major political, cultural, economic and military developments of Rome and Greece.
- Trace the rise and accomplishments of Byzantium and its changing relationship with Islam.
- Examine the rise of the Ottoman Empire as a European power.
- State the factors that brought Europe out of the Dark Ages. Analyze the key developments of the Renaissance, the Scientific Revolution, the Enlightenment, and Europe's Age of Discovery, and identify individuals who contributed to the artistic and cultural rebirth.
- Expound on the causes and effect of the Industrial Revolution, and infer the importance of trade to the development of European powers.
- Summarize Napoleon's rise to power and identify the shift to Nationalism.
- Identify key political figures in 20th Century Europe and describe the shift to Nationalism.
- Describe the political and social causes of World War I and World War II, and state the social and economic implications of these wars.
- Describe the creation of the League of Nations, the North Atlantic Treaty Organization (NATO) and the United Nations (UN) and identify their purposes.
- Examine the causes of the Cold War and identify major political, cultural, and economic developments during this time.

Concentration Requirements (42 semester hours)

- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)

- HIST303 - The Middle Ages
- HIST304 - The Renaissance
- HIST305 - France in the Age of Enlightenment
- HIST306 - The British Empire
- HIST307 - The Age of Dictators: Europe 1914-1945
- HIST308 - History of European Colonialism
- HIST310 - History of Modern Europe
- HIST491 - Writing a Research Proposal

And select 4 courses from the following:

- HIST330 - History of the Pacific Rim
- HIST340 - History of Africa
- HIST350 - History of the Middle East
- HIST351 - History of Iraq
- HIST360 - History of Latin America
- HIST370 - Asia and the Modern World
- HIST402 - Colonial America
- HIST403 - The Early Republic, 1783-1815
- HIST404 - Jacksonian America, 1815-1846
- HIST405 - Antebellum America, 1846-1861
- HIST406 - Civil War and Reconstruction, 1861-1877
- HIST407 - The Gilded Age: 1877-1900
- HIST408 - The United States: 1900 to Second World War
- HIST409 - The United States: WW II to the Present
- HIST415 – The Cold War
- HIST480 - Special Topic: History (Students may take this course twice for credit.)
- HIST490 - Independent Study: History
- MILH355 - World War I
- MILH360 - World War II
- MILH365 - The Napoleonic Wars and the Long Peace
- MILH411 - Diplomacy and War I
- MILH412 - Diplomacy and War II

Concentration in Global History (42 semester hours)

Students enrolled in the Concentration in Global History will examine the major events, personalities, and accomplishments that have taken place in all regions of the world from pre-history until the present. Students will study the political, philosophical, scientific, and social changes that shaped the history of Europe, Asia, Africa, and the New World. Special emphasis will be placed on how these regions interacted with one another over the millennia to create the modern world.

Objectives

Upon completion of this concentration, students will be able to:

- Identify significant personalities and events in world history.
- Explain the rise and spread of the major world religions.
- Identify the invention, diffusion, and impact of major technological innovations through history.
- Describe the patterns of migration and relationship between nomadic cultures and civilization.
- Trace the emergence of Afro-Eurasian trading networks before Europe's Age of Discovery and emerging patterns of world

trade in the early modern period.

- Explain Europe's scientific, political, and industrial revolutions and the impact of Western political and economic influence in the world.
- Assess the rise and spread of Western hegemony and the reaction of non-Western cultures and civilizations to Western contacts, intrusions, and colonization during the 19th and 20th centuries.
- Trace the patterns and problems of decolonization and the rise and fall of Communism and the emergence of a multi-polar world in the 21st century.
- Analyze the United States' emergence as a world power after two world wars and the rise of the Pacific Rim.

Concentration Requirements (42 semester hours)

- [HIST230 - History of East Asia](#)
- [HIST308 - History of European Colonialism](#)
- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST360 - History of Latin America](#)
- [HIST370 - Asia and the Modern World](#)
- [HIST491 - Writing a Research Proposal](#)

And select 4 courses from the following:

- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST306 - The British Empire](#)
- [HIST310 - History of Modern Europe](#)
- [HIST320 - History of Russia](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST351 - History of Iraq](#)

And select 3 courses from the following:

- [HIST408 - The United States: 1900 to the Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH421 - History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988-Present](#)
- [HIST480 - Special Topic: History](#) (Students may take this course twice for credit.)
- [HIST490 - Independent Study: History](#)

Final Program Requirements (3 semester hours)

- [HIST498 - Senior Seminar in History](#) (to be taken as the last course before graduation) [Prerequisite: HIST491 - Writing a Research Proposal and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in

an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Homeland Security

The idea of homeland security as an enterprise took root as a response to the federal government being caught off-guard by 9/11. The homeland security concept was premised on the assumption that public safety related fields operated too much in isolation from each other. Those cylinders created vulnerabilities al Qaeda exploited. So what is “homeland security?” The Department of Homeland Security establishes a shared vision of homeland security in order to achieve a “unity of purpose” and defining the term as the “intersection of evolving threats and hazards with traditional governmental and civic responsibilities for civil defense, emergency response, law enforcement, customs, border patrol, and immigration”. This vision of homeland security assumes that all of these responsibilities will be seen under one overarching concept of the homeland security enterprise that recognizes the need for joint actions and efforts across previously discrete elements of government and society.

Members of the homeland security enterprise, such as DHS, state and local public safety entities, and many corporations are looking for the next generation of homeland security leaders. They are aggressively searching for people who have the comprehensive educational training to be intellectual and strategic leaders in this emerging field. Homeland Security employers are vocal in stating their need for professionals who will contribute new ideas; people who are able to identify and critique unexamined assumptions of policy and strategy, who can contribute their own perspectives, and who have the ability to translate good intentions into effective action.

There is genuine need for professionals who can think and operate across the homeland security enterprise while at the same time contributing expertise in one or more area concentrations that comprise the field as a whole. The AMU Homeland Security Studies Program is designed to make students homeland security experts and meet this market need. This is achieved by offering our students a holistic liberal arts homeland security education that covers the range of domestic security effort so students develop the policy and analytical skills necessary to become leaders in the field.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Homeland Security also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of homeland security, graduates in this degree program will be able to:

- Examine the historical and evolving concept of homeland security within the broader political and national security system of the contemporary nation-state.
- Recognize the detailed mitigation, planning, response, and recovery phases to and from a national security incident.
- Differentiate among the various national security threats including those that are manmade, technological, and natural.
- Discuss the strategic, operational, and tactical threats presented by chemical, nuclear, and biological agents including agent characteristics and delivery systems.
- Distinguish among and assess the various homeland security approaches, techniques, and processes such as analytics, indications, warnings, and forecasting.
- Explain the key administrative and command and control elements of the evolving homeland security relationships among the intelligence community Department of Homeland Security; interagency processes and institutions; federal, state, and local intergovernmental relations; and a comprehensive U.S. homeland security strategy.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)

- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- HLSS154 - Mind of a Terrorist
- HLSS300 - Research Methods in Homeland Security Studies
- HLSS302 - Introduction to Homeland Security and Defense
- HLSS305 - Private Sector Homeland Security
- HLSS311 - Border and Coastal Security
- HLSS320 - Intelligence and Homeland Security

Major Requirements (27 semester hours)

Select 9 courses from the following:

- CMRJ100 - Introduction to Law Enforcement
- CMRJ203 - Patrol Methodologies and Community Policing
- CMRJ320 - Law Enforcement Intelligence Applications
- EDMG220 - Emergency Planning
- EDMG230 - Emergency and Disaster Incident Command
- EDMG259 - Hazard Mitigation and Preparedness
- EDMG340 - Consequence Management
- EDMG420 - Risk Communications
- HLSS212 - Chemical, Biological and Radiological Hazards
- HLSS215 - Regulatory Issues in Weapons of Mass Destruction
- HLSS303 - Homeland Security Risk, Threats and Consequences
- HLSS312 - Port Security
- INTL440 - Cyber Warfare
- INTL446 - Intelligence and Narcotics
- ISSC362 - IT Security: Attack and Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- ISSC363 - IT Security: Risk Management [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- ISSC451 - Cybercrime [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]
- ITMG381 - Cyberlaw and Privacy in a Digital Age
- LSTD401 - Maritime Law
- LSTD402 - Immigration Law and Policy
- PSYC431 - Psychology of Disaster

Final Program Requirements (3 semester hours)

- HLSS498 - Senior Seminar in Homeland Security (to be taken as the last course before graduation) [Prerequisite: Senior

Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Hospitality Management

The Bachelor of Arts in Hospitality Management is designed to prepare students for entry- to mid-management positions in global hospitality workplaces. Core courses diversify the students’ skill sets in a variety of hospitality, organizational and managerial issues.

There are four concentration areas:

- Food Service
- Lodging
- Meeting and Event Planning
- Tourism

Students in this degree typically have an interest in owning or managing a restaurant or working in senior management in a lodging facility or destination management organization. The degree is open to all students and is designed to provide a foundation of research, critical thinking, and writing skills that could be useful in further study and professional work.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Hospitality Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of hospitality management, graduates in this degree program will be able to:

- Apply concepts and principles of hospitality service excellence in marketing, law, revenue management and strategic planning, to the unique aspects of hospitality operations.
- Judge current political, economic, and social issues that affect food service, lodging and travel and tourism industries.
- Apply strategic management principles to accomplish goals and objectives of hospitality operations.
- Assess unique hospitality characteristics and principles that are the business of hospitality management.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs
General Education Requirements (34 semester hours)
English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature
History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors

- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [HOSP100 - Introduction to Hospitality Management](#)
- [HOSP101 - Foodservice Sanitation](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]
- [HOSP300 - Managerial Accounting for the Hospitality Industry](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]
- [HOSP302 - Hospitality Law](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]
- [HOSP321 - Marketing and the Hospitality Industry](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]

- [HOSP335 - Leadership and Management in Hospitality](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP400 - Quality Service Management](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HRMT200 - Human Resource Fundamentals](#)
- [MGMT201 - Organizational Fundamentals](#)
- [MGMT314 - Management Ethics](#)

Students must choose a concentration for this degree program and may select from the Concentration in Food Service, the Concentration in Lodging, the Concentration in Meeting and Event Planning, or the Concentration in Tourism.

Concentration in Food Service (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Plan a food service facility with emphasis on human engineering, layout, design, and equipment selection.
- Comprehend hotel food service operations including concession, restaurant, room service, banquet, snack bar, and other forms of food service.
- Examine and discuss the leading issues associated with food service in the 21st Century including food service trends, issues, and challenges.

Concentration Requirements (21 semester hours)

Select 7 courses from the following:

- [HOSP200 - Food and Beverage Management](#) [Prerequisite: HOSP100]
- [HOSP201 - Restaurant Operations Management](#)
- [HOSP202 - Quantity Food Preparation](#)
- [HOSP203 - Hotel and Restaurant Purchasing](#) [Prerequisite: HOSP100]
- [HOSP304 - Nutrition in the Food Service Industry](#) [Prerequisite: HOSP100]
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP100 and HOSP200]
- [HOSP314 - Foodservice Trends and Challenges](#) [Prerequisite: HOSP100]
- [HOSP315 - Dining: A Consumer Perspective](#)
- [HOSP316 - History and Culture of Wine](#)
- [HOSP318 - Culinary Theory and Practice](#)
- [HOSP319 - Foodservice Facilities Design](#)

Concentration in Lodging (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Describe the make-up and size of the lodging industry and explain its contribution to a global society.
- Explain the necessary partnerships between lodging organizations, convention centers and convention bureaus.
- Summarize career options in the lodging segment, including advantages and disadvantages of working in the industry.
- Describe laws associated with guest liabilities in lodging management.
- Understand marketing concepts that are used by lodging facilities.

Concentration Requirements (21 semester hours)

Select 7 courses from the following:

- [HOSP203 - Hotel and Restaurant Purchasing](#)
- [HOSP206 - Introduction to Lodging Management](#) [Prerequisite: HOSP100]
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP100 and HOSP200]
- [HOSP309 - Convention Sales and Services](#) [Prerequisite: HOSP100]
- [HOSP310 - Management of Lodging Operations](#) [Prerequisite: HOSP100]
- [HOSP320 - Business and Conference Hospitality Management](#)
- [HOSP322 - Managing Housekeeping Operations](#)
- [HOSP325 - Revenue Management for the Hospitality Industry](#)
- [HOSP328 - International Hotel Management](#)
- [HOSP350 - Managing Technology in the Hospitality Industry](#)
- [HOSP355 - Loss Prevention/Security Management](#)

Concentration in Meeting and Event Planning (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.
- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

Concentration Requirements (21 semester hours):

- [HOSP308 - Meeting and Convention Planning](#) [Prerequisite: HOSP100]
- [HOSP309 - Convention Sales and Services](#) [Prerequisite: HOSP100]
- [HOSP320 - Business and Conference Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP350 - Managing Technology in the Hospitality Industry](#)
- [HOSP410 - Advanced Tourism and Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP413 - Meeting and Event Risk Management](#) [Prerequisite: HOSP100]
- [HOSP415 - Destinations and Cultures](#) [Prerequisite: HOSP100]

Concentration in Tourism (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain tourism topics including revenue management, forecasting, budgeting, measuring performance, transient versus group displacement, pricing and inventory management, service quality, ethics, and technology.
- Examine the study of the tourism from a global perspective in addition to the public and private organizations that organize, promote, manage, and participate in tourism and travel.
- Analyze and describe the operation of hospitality facilities including facility operating costs, building system characteristics, and the function of the engineering-maintenance department. The renovation needs of hospitality facilities are examined and key managerial aspects of renovations considered.

Concentration Requirements (21 semester hours)

Select 7 courses from the following:

- [HOSP205 - Tourism and Travel Industry](#) [Prerequisite: HOSP100]
- [HOSP212 - Fundamentals of Tourism Management](#)
- [HOSP215 - Cruise Lines Operations](#)
- [HOSP311 - Club Management](#)
- [HOSP313 - Theory and Concepts of Leisure](#) [Prerequisite: HOSP100]
- [HOSP323 - Introduction to Parks and Recreation](#) [Prerequisite: HOSP100]
- [HOSP360 - Casino Operations Management](#)
- [HOSP410 - Advanced Tourism and Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP412 - Destinations Management and Marketing](#) [Prerequisite: HOSP100]
- [HOSP415 - Destinations and Culture](#)

Final Program Requirements (3 semester hours)

- [HOSP495 - Senior Seminar in Hospitality Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core, major, or concentration courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Human Development and Family Studies

The Bachelor's Degree in Human Development and Family Studies focuses on the study of human development, within the contexts of the family, the community, and the broader national and international culture. The Program is based on a systems view of human interaction, with emphasis on how people are affected by their environments, and how they, in turn, have an impact on others.

Careers with this degree

Graduates of this program are well positioned to pursue numerous career paths. The specialized knowledge gained during study prepares graduates to work in community-based social service agencies, early childhood education centers and programs, hospitals and hospice organizations, governmental and policy positions, and in research, writing and media development.

Human Development and Family Studies professionals are on the front lines in adoption and foster care agencies, overseeing the welfare of young children who may have been displaced by divorce, substance abuse, or death of biological parents. On the other end of the developmental spectrum, Human Development and Family Studies professionals may work in nursing homes or agencies tending to the special needs of senior citizens and their caretakers.

Professionals with this degree may choose to work in pre-school settings, and may find that their academic preparation provides them an opportunity to serve as a manager or supervisor. Their special knowledge of the early phases of the lifecycle may enable them to work as early intervention professionals, helping to spot and treat children's development delays.

Professionals in this area may also provide hands-on assistance in treating people who have undergone physical or emotional trauma, or who are dealing with addictions or abuse. They may be employed as assistants in residential halfway houses specializing in helping people regain independence and dignity.

Specific Career Requirements

Early Childhood Care and Education

If you wish to work in the early childhood care profession, please note that each state has different certification/licensing requirements for childcare providers. The bachelor's degree in Human Development and Family Studies can provide students with the academic background they need, but states often require additional hands-on training or site visitation, not provided by APUS. As an alternate route, students may wish to consider the [Associate of Arts degree in Early Childhood Care and Education](#).

We are honored to have been designated an approved Early Childhood Education Training Institution by the Council for Professional Recognition, which offers the national Child Development Associate (CDA) designation (<http://www.cdacouncil.org/>).

Certified Family Life Educator

This degree provides an ideal academic background for students who wish to pursue the Certified Family Life Educator credential, sponsored by the National Council on Family Relations. To learn more about this credential, please go to the Certified Family Life Educator {CFLE} website: <http://www.ncfr.org/cfle-certification>. Students wishing to pursue this credential need to take these classes from within the Major Requirements, in addition to the Core requirements, in order to qualify for the academic portion of the CFLE:

- CHFD220 - Human Sexuality
- CHFD350 - Family Life Education
- CHFD360 - Family Resource Management
- CHFD348 - Marriage and the Family
- CHFD445 - Family Communications
- CHFD446 - Families and Social Action
- CHFD498 - Senior Seminar in Child and Family Development

Further education

This degree is not designed to qualify students to become K-12 schoolteachers. Students who earn this degree, and wish to become classroom teachers for K-12 students, will also need to meet the regulations for teacher certification/ licensure in the state in which they wish to teach.

Students who wish to pursue careers as therapists, counselors, school counselors, social workers, or clinical psychologists will need to earn a Master's Degree or Doctorate to qualify for this kind of work.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Human Development and Family Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of family and child development, graduates in this degree program will be able to:

- Demonstrate fluency in the terminology, tools, and methods used in the field of Child and Family Development.
- Describe the contributions of multiple theories or practices to the field of child and family development, both within and across disciplines.
- Demonstrate the ability to synthesize multiple information sources and points of view into a discussion of major child and family development issues.
- Present a project or paper linking knowledge from work, community, or research activities with knowledge acquired in the study of child and family development.
- Explain diverse perspectives on contested issues in child and family development, including an articulation of how these issues might be addressed in social, political, or personal settings.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [CHFD215 - Introduction to Child Development](#)
- [CHFD220 - Human Sexuality](#)
- [CHFD225 - Introduction to the American Family](#)
- [CHFD307 - Child and Adolescent Development](#)
- [CHFD308 - Infant-Toddler Development](#)
- [CHFD331 - Parenting](#)
- [CHFD340 - Family Development](#)
- [CHFD342 - Human Life Span Development](#)
- [SOCI331 - Research Methods for Sociology](#)

- [SOCI332 - Statistics for Social Science](#)

Major Requirements (24 semester hours)

Child Development

Select 4 courses from the following:

- [CHFD210 - Childhood Educational Development](#)
- [CHFD212 - Infant and Toddler Programs](#)
- [CHFD311 - Guidance in Early Childhood](#)
- [CHFD312 - Special Needs Students](#)
- [CHFD411 - Child Psychopathology](#) [Prerequisite: CHFD307 - Child and Adolescent Development]
- [CHFD415 - Children and Stress](#)
- [HDFS401 - Child Life Theory and Practice](#)

Family Development

And select 4 courses from the following:

- [CHFD348 - Marriage and the Family](#)
- [CHFD350 - Family Life Education](#)
- [CHFD360 - Family Resource Management](#)
- [CHFD445 - Family Communications](#)
- [CHFD446 - Families and Social Action](#)
- [PSYC343 - Adult Development](#)
- [SOCI404 - Gender and Society](#)

Final Program Requirements (3 semester hours)

- [CHFD498 - Senior Seminar in Child and Family development](#) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 124 semester hours

Bachelor of Arts in Intelligence Studies

This degree provides instruction in the multidisciplinary field of intelligence studies and is designed for students who are currently employed or wish to pursue positions as military, civilian, or corporate intelligence specialists. The program's core courses impart substantive knowledge and analytic skills required by all professionals in the intelligence community. Students may also pursue concentrated study in several functional areas or intelligence sub-fields. Student learning is greatly enhanced by the diversity of program professors with strong professional and academic backgrounds in intelligence studies, many who currently work in the U.S. national intelligence community.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Intelligence Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of intelligence studies, graduates in this degree program will be able to:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement and technical and open intelligence data sources.
- Detail the current permissions and restrictions on U.S. national intelligence community activities as prescribed by federal law, executive and agency directives, and the intelligence oversight system.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)

- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL301 - The U.S. Intelligence Community](#)
- [INTL303 - Introduction to Intelligence](#)
- [INTL304 - Intelligence Collection](#)
- [INTL305 - Law and Ethics in Intelligence](#)
- [INTL401 - Critical Analysis](#)

- [INTL434 - Threat Analysis](#)
- [INTL443 - Foreign Intelligence Organizations](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Asian Area Studies, Concentration in Counterintelligence, Concentration in Criminal Intelligence, Concentration in Cyber, Concentration in Intelligence Analysis, Concentration in Intelligence Collection, Concentration in Intelligence Operations, Concentration in Latin America Area Studies, Concentration in Middle East Area Studies, or the Concentration in Terrorism Studies.

General Concentration (27 semester hours)

Concentration Requirements (27 semester hours)

Select 9 courses from the following:

- [INTL402 - Intelligence Analysis](#)
- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)
- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL415 - Covert Action](#)
- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)
- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL440 - Cyber Warfare](#)
- [INTL442 - Tactical Intelligence](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [INTL453 - Illicit Finance](#)
- [INTL454 - Forecasting Terrorism](#)
- [INTL461 - Iraq Country Analysis](#)

Concentration in Asian Area Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of US policy on the region.
- Assess the security issues of the region.

Explain the role of religion in the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)

Select 8 courses from the following:

- [CHIN100 - Chinese I \(Mandarin\)](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST370 - Asia and the Modern World](#)
- [IRLS213 - Political Geography](#)
- [IRLS331 - Asian Politics](#)
- [IRLS332 - Asian Peoples and Cultures](#)
- [IRLS430 - U.S. National Security and the Pacific Basin](#)
- [RELS350 - Hinduism](#)
- [RELS351 - Buddhism](#)

Concentration in Counterintelligence (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Acquire a general knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.

Concentration Requirements (27 semester hours)

- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)

And select 6 courses from the following:

- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL422 - Open Source Collection](#)
- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL440 - Cyber Warfare](#)

Concentration in Criminal Intelligence (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain intelligence processes and procedures in the criminal justice community.
- Analyze the differences between crime, war, and terrorism.
- Evaluate the various techniques and methodologies used within the Criminal Justice community to understand the different aspects of violence and accomplish their goals.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)
- [INTL431 - Criminal Intelligence Analysis](#)

Select 7 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [CMRJ327 - Gang Theory, Practice, and Suppression](#)
- [CMRJ329 - Criminal Profiling](#)
- [CMRJ335 - Crime Analysis](#)
- [CMRJ401 - Human Trafficking](#)
- [INTL411 - International Criminal Organizations](#)
- [INTL440 - Cyber Warfare](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL453 - Illicit Finance](#)

Concentration in Cyber (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

Concentration Requirements (27 semester hours)

- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)
- [INTL440 - Cyber Warfare](#)

Select 6 courses from the following:

- [CMRJ201 - Criminal Justice Administration](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC351 - Computer Forensics](#)
- [ISSC421 - Computer and Network Security](#)
- [ISSC422 - Information Security](#)
- [ISSC451 - Cybercrime](#)
- [ISSC452 - Cybersecurity](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Concentration in Intelligence Analysis (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine advanced intelligence analysis methods in composing professional and academic analyses on issues critical to intelligence community consumers.
- Evaluate and interpret information generated from a variety of different organizations and sources into a highly cogent and professional intelligence product.
- Employ a broad, subtle, and nuanced understanding of existing knowledge to find meaning behind what is not immediately apparent to forecast events or consequences and draw conclusions with a high degree of reliability and precision.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)

Select 8 courses from the following:

- [INTL409 - Counterintelligence Analysis](#)
- [INTL413 - Denial and Deception](#)
- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL422 - Open Source Collection](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL453 - Illicit Finance](#)
- [INTL454 - Forecasting Terrorism](#)

Concentration in Intelligence Collection (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

Concentration Requirements (27 semester hours)

- [INTL410 - Counterintelligence](#)
- [INTL413 - Denial and Deception](#)
- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)

- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL440 - Cyber Warfare](#)
- [INTL442 - Tactical Intelligence](#)

Concentration in Intelligence Operations (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Employ intelligence management skills required by planning and management positions in the intelligence community.
- Identify ways to facilitate cooperation with other individuals and organizations across the intelligence community to advance projects and corporate goals.
- Examine the nature and challenges to military planning of combined operations and operations other than war including peacekeeping operations, low intensity conflicts, and humanitarian relief operations.

Concentration Requirements (27 semester hours)

Select 9 courses from the following:

- [INTL408 - Counterintelligence Operations](#)
- [INTL410 - Counterintelligence](#)
- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL415 - Covert Action](#)
- [INTL440 - Cyber Warfare](#)
- [INTL442 - Tactical Intelligence](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL453 - Illicit Finance](#)

Concentration in Latin America Area Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the role Intelligence plays in the War on Drugs.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)

And select 8 courses from the following:

- [HIST360 - History of Latin America](#)
- [INTL446 - Intelligence and Narcotics](#)

[IRLS213 - Political Geography](#)

- [IRLS355 - Latin American Politics](#)
- [IRLS357 - Latin American Peoples and Cultures](#)
- [LITR355 - Latin American Literature](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [WOMS361 - History of Women in Latin America](#)

Concentration in Middle East Area Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of religion in the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)
- [INTL461 - Iraq Country Analysis](#)

And select 7 courses from the following:

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [IRLS213 - Political Geography](#)
- [IRLS360 - Global Politics of Islam](#)
- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS463 - Arab-Israeli Conflict: Contemp. Politics and Diplomacy](#)
- [IRLS468 - Politics and Security in the Persian Gulf](#)
- [LITR365 - Middle Eastern Literature](#)
- [RELS330 - Religions of the Middle East](#)
- [RELS353 - Islam](#)

Concentration in Terrorism Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Appraise the causes of and threats from U.S. domestic and international terrorism.
- Analyze the limits of information sharing under the guidelines of both the U.S. PATRIOT Act and the Intelligence Reform and Terrorism Prevention Act.
- Identify the leading terrorist organizations, understand their agendas, and develop the critical thinking skills and methodological techniques to defeat them.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL440 - Cyber Warfare](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [INTL453 - Illicit Finance](#)
- [PSYC360 - Psychology of Terrorism](#)
- [SCMT319 - Global Terrorism](#)

Final Program Requirements (3 semester hours)

- [INTL498 - Senior Seminar in Intelligence Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in International Relations

This degree gives students an understanding of the world and analyzes the nature of modern global relationships. Due to interdisciplinary nature of international relations, the student develops broad critical thinking skills in politics, economics, culture, and history. Through analysis of contemporary issues, students develop specialized skills that combine theory and practice within the field. Students explore the interconnectedness of global economies, societies and cultures through a focus on civic engagement and social responsibility. This core of the degree focuses on the central concerns of international relations - diplomacy, foreign policy analysis, international organizations, global development, and international relations theory. The BA in International Relations degree provides an excellent foundation for careers in government agencies, the diplomatic service, international organizations, world trade and finance, and international media careers.

Degree Program Objectives

Graduates of this degree will be able to:

- Distinguish the political, economic, social, and security theories, methods, and historic patterns of international relations as applied to contemporary issues and actors within the world system.
- Explain the process and implications of interdependence among individuals, groups, states, and regions in the context of globalization.
- Analyze the theories, assumptions, and causes of conflict within international systems as related to the institutions of international law, diplomacy, and world order, including the prospects for sustainable peace.
- Assess the unique principles, structure, organization, and impact of international organizations and other non-state actors within the international system of states.
- Evaluate the multidimensional effects of globalization and integration as applied to issues in human security, conflict resolution, and sustainable economic development.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877• HIST111 - World Civilization before 1650• HIST112 - World Civilization since 1650

- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [IRLS200 - Information Literacy and Global Citizenship](#)
- [IRLS210 - International Relations I](#)
- [IRLS211 - International Relations II](#)
- [IRLS214 - American Foreign Policy](#)
- [IRLS301 - International Organizations](#)
- [IRLS302 - International Development](#)
- [IRLS402 - International Law and Regimes](#)

Students must choose a concentration for this degree program and may select from either the Concentration in International Studies, Concentration in Comparative Politics, Concentration in Peacekeeping, Concentration in African Studies, Concentration in Asian Studies, Concentration in European Studies, Concentration in Latin American Studies, Concentration in Globalization and Human Security.

Concentration in African Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the sub-Saharan African community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within sub-Saharan Africa.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within sub-Saharan Africa.
- Discuss the key issues that lie ahead for sub-Saharan Africa within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in sub-Saharan Africa and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS220 - African Peoples and Cultures](#)
- [IRLS322 - African Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [HIST340 - History of Africa](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [LITR370 - African Literature](#)
- [RELS353 - Islam](#)

Concentration in Asian Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the Asian community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various Asian societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Asia.
- Discuss the key issues that lie ahead for Asian relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Asia and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS331 - Asian Politics](#)
- [IRLS332 - Asian Peoples and Cultures](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST370 - Asia and the Modern World](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS430 - US National Security and the Pacific Basin](#)
- [PHIL310 - Studies in Chinese Thought](#)
- [PHIL311 - Studies in Japanese Thought](#)
- [RELS350 - Hinduism](#)
- [RELS351 - Buddhism](#)

Concentration in Comparative Politics (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of cross-national analysis. Students will learn how to think about politics in systematic and comparative terms by focusing on the domestic politics in a variety of countries and will be able to:

- Comprehend the roles of various actors in the development and implementation of both domestic and international policy.
- Explore the political history, social background, culture, and institutions of various countries.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

Concentration Requirements (24 semester hours)

- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [IRLS322 - African Politics](#)
- [IRLS331 - Asian Politics](#)
- [IRLS343 - Government and Security of Russia](#)
- [IRLS344 - European Politics](#)
- [IRLS355 - Latin American Politics](#)
- [IRLS430 - US National Security and the Pacific Basin](#)
- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS463 - Arab-Israeli Conflict: Contemp. Politics & Dipl.](#)

Concentration in European Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the European community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various European societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Europe.
- Discuss the key issues that lie ahead for European relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Europe and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS240 - European Peoples and Cultures](#)
- [IRLS344 - European Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HIST307 - The Age of Dictators: Europe 1914-1945](#)
- [HIST310 - History of Modern Europe](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS416 - The North Atlantic Treaty Organization \(NATO\)](#)
- [LITR360 - Russian Literature](#)
- [PHIL302 - Ancient Western Philosophy](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)

Concentration in Globalization and Human Security (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of security in all its forms. Students will learn how to think about security as more than protecting the nation state from external threats. By focusing on myriad threats faced by individuals and communities, students will develop a thorough understanding of security as a complex web of economic, environmental, food, health, personal, community, and political dimensions and will be able to:

- Identify the major security threats and opportunities facing the global civil society.

Describe the interconnected political, social, cultural, and economic forces that affect human security.

- Analyze the various methods designed to increase human security.

Concentration Requirements (24 semester hours)

- [IRLS310 - Introduction to Human Security](#)
- [IRLS400 - Human Rights](#)
- [IRLS405 - National and Transnational Security](#)
- [IRLS409 - Environmental Security](#)

And select 4 courses from the following:

- [INTL411 - International Crime Organization](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS417 - International Civil Order](#)
- [SCMT319 - Global Terrorism](#)
- [WOMS319 - Transnational and Global Issues in Women's Studies](#)

Concentration in International Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of international and transnational issues that affect the global community as a whole and nation-states as individual entities and will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Identify the various manifestations of globalization and its impact on various political, economic and social systems.

Concentration Requirements (24 semester hours)

- [INTL434 - Threat Analysis](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS413 - International Conflict Resolution](#)
- [SCMT319 - Global Terrorism](#)

And select 4 courses from the following:

- [INTL411 - International Criminal Organizations](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS400 - Human Rights](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS417 - International Civil Order](#)
- [IRLS491 - Special Topics in International Relations](#)
- [TLMT442 - International Trade and Regulations](#)

Concentration in Latin American Studies (24 semester hours)

Objectives

Students in this concentration will undertake an in-depth examination of issues that affect the Latin American community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various Latin American societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Latin America.
- Discuss the key issues that lie ahead for Latin American relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Latin America and their affect on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS355 - Latin American Politics](#)
- [IRLS357 - Latin American Peoples and Cultures](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [HIST360 - History of Latin America](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [LITR355 - Latin American Literature](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [WOMS361 - History of Women in Latin America](#)

Concentration in Peacekeeping (24 semester hours)

Objectives

Students in this concentration undertake an in-depth study of the principles and foundations of peace operations within the context of international and regional mechanisms. The student gains valuable insight into the skills necessary to step into international incidents between countries and among peacemakers to assist in the resolution of difficult problems and will be able to:

- Understand the nature of conflict and diplomatic negotiations in the post-Cold War era.
- Identify the evolving theory and practices of United Nations peacekeeping operations.
- Describe the role of UN and regional peacekeeping initiatives in specific peace-building, peacemaking, and peace-keeping operations in conflict areas.

Concentration Requirements (24 semester hours)

- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS415 - Peacekeeping Logistics](#)
- [MILH421 - History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988 – Present](#)

And select 4 courses from the following:

- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS416 - The North Atlantic Treaty Organization \(NATO\)](#)
- [IRLS417 - International Civil Order](#)
- [PSYC432 - Psychology of Combat](#)

Final Program Requirements (3 semester hours)

- [IRLS492 - Senior Seminar in International Relations](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Management

The Bachelors of Arts in Management prepares students to transition from the technical aspects of a profession to leading and managing individuals in their respective fields. Students will explore management theories, concepts and practices necessary to organize, motivate, and lead human capital in private, public and military environments. Topics of study include ethics, management communications, human resources management, employee relations, organizational behavior, and systems analysis. Successful completion of the program prepares graduates for managerial positions and responsibilities.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of business administration, graduates in this degree program will be able to:

- Evaluate the functions and applications of various management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Develop strategies for organizational challenges using management theories, principles, and practices.
- Analyze the impact of international, legal, social, political, economic, technological, and environmental issues as they relate to organizational behavior in terms of the individual, group/team, and overall organizational performance.
- Examine the importance of ethical conduct, communication, social responsibility, and corporate responsibility in the global environment.
- Demonstrate skills in critical thinking, data interpretation, and decision making necessary for developing systematic processes and approaches in the management of human capital and achievement of organizational effectiveness.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HRMT413 - Employment and Labor Relations](#)
- [INFO331 - Management Information Systems](#)
- [MATH302 - Statistics](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MGMT410 - Strategic Management](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Human Resource Management Concentration, Leadership Concentration, or Retail Management Concentration.

General Concentration Requirements (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine various laws, rules, regulations, and policies affecting human capital in today's workplace.
- Compare and contrast compensation packages and incentives used to recruit and retain employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Select 5 courses from the following:

- [BUSN310 - Business Theory](#)
- [BUSN313 - Global and Competitive Strategy](#)
- [BUSN316 - Fundamentals of Entrepreneurship](#)
- [FINC400 - Principles of Financial Management](#)
- [HRMT310 - Career Counseling](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [HRMT412 - Compensation and Benefits](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT417 - Health, Safety, and Security in the Workplace](#)
- [HRMT419 - Recruitment and Staffing](#)
- [HRMT422 - Bargaining and Negotiation](#)
- [HRMT427 - International Human Resource Management](#)
- [HRMT430 - Performance Management](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [MGMT332 - Leading Others Leadership Counseling](#)
- [MGMT414 - Strategic Planning](#)
- [MGMT490 - Independent Study: Management](#)
- [MKTG307 - Consumer Behavior](#)
- [RTMG150 - Retail Organization Fundamentals](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG221 - Retail Photo Operations](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandising Operations](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Concentration in Human Resource Management (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine various laws, rules, regulations, and policies affecting human capital in today's workplace.
- Compare and contrast compensation packages and incentives used to recruit and retain employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Concentration Requirements (15 semester hours)

- [HRMT407 - Human Resource Management](#)
- [HRMT412 - Compensation and Benefits](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT419 - Recruitment and Staffing](#)

Concentration in Leadership (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine measurement tools that will assist one with determining levels of self-awareness, emotional intelligence, and personality.
- Demonstrate techniques that will lead others to greater personal self-awareness through general counseling and active listening.
- Develop strategies on creating change in the workplace, including how to build teams and lead staff during critical times.
- Evaluate the principles of leader development in organizations and the tools that allow development and growth to occur (i.e. 360-degree assessments, mentoring).

Concentration Requirements (15 semester hours)

- [HRMT411 - Dispute Resolution](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [MGMT414 - Strategic Planning](#)

Concentration in Retail Management (15 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to become effective retail managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate retail management practices.

Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Management Retail Management concentration also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program will be able to:

- Examine the functions and applications of various retail management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Determine the needs of today's retail managers in assessing and implementing strategies used in the management of information technology, financial, and human resources in the retail workplace.
- Evaluate and apply retail managerial concepts to strategic issues impacting the effectiveness of retail managers in today's competitive and global organizations.
- Demonstrate the ability to recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global retail environment.

Concentration Requirements (15 semester hours)

- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)

And select 3 courses from the following:

- [MKTG307 - Consumer Behavior](#)
- [RTMG150 - Retail Organization Fundamentals](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG221 - Retail Photo Operations](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandizing Operations](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [MGMT495 - Senior Seminar in Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Marketing

This program attracts military recruiters and students from other walks of life who are drawn to a fast-paced environment and are interested in careers in sales and/or promotions. Students gain self-motivation and self-confidence, the ability to work well with others, a creative approach to problem solving, a willingness to take appropriate risks, and the ability to spot trends. Graduates of this program typically go on to employment with the military, government, or corporate environments that involve product and service development, research, planning, distribution channels, logistics and transportation, sales promotion, sales, pricing strategy, advertising, and public relations.

Statement of Mission - School of Business

APUS' School of Business mission is to prepare students to be principled leaders in the global business community through a flexible learning environment that leverages technology and best practices focused on the practical application of knowledge.

- Priorities:**
- Curriculum: Provide a well-rounded curriculum that blends practical, real-world application and theoretical aspects of business and economics in a global context.
 - Teaching: Foster understanding through strategic goals, quality instruction, and continuous evaluation by faculty who are real-world practitioners and scholars.
 - Student Interaction: Encourage students to reach their highest potential through collaborative relationships that motivate and sustain growth individually and organizationally.
 - Learning Outcomes: Build competencies in effective communication, critical thinking, quantitative experience, knowledge-based decision making, and ethical behavior.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of marketing, graduates in this degree program will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Apply marketing principles to a particular business.
- Use marketing research to identify and exploit business opportunities.
- Critically analyze an organization's marketing function and assemble and apply the various marketing strategies and techniques that align with the organization's mission.
- Develop a strategic marketing plan.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">● COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century

LITR211 - English Literature: 18th Century to Present

- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (39 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [BUSN100 - Basics of Business](#)
- [BUSN311 – Law and Ethics in the Business Environment](#)
- [FINC300 - Foundations of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MKTG201 - Fundamentals of Marketing](#)
- [MKTG308 - Social Media Marketing](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)
- [MKTG420 - Branding](#)
- [MKTG423 - Marketing Writing](#)

And select 1 course from the following:

- [ECON201 - Microeconomics for Business](#)
- [ECON202 - Macroeconomics for Business](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Analytics, or a Concentration in Sales.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [MKTG301 - Principles of Sales](#)
- [MKTG303 - Strategic Internet Marketing](#)
- [MKTG304 - Public Relations](#)
- [MKTG305 - Advertising](#)
- [MKTG403 - Marketing Management](#)
- [MKTG407 - International Marketing](#)
- [MKTG410 - Contracting and Negotiating](#)
- [MKTG499 - Independent Study: Marketing](#)

Concentration in Analytics (15 semester hours)

Data procurement and analysis is a vital role in marketing and business. It helps ensure that the business is operating efficiently, that marketing programs that are implemented are effective, and creates better tools for marketers to use during the decision-making process. In addition to the institutional, general education, and program level learning objectives, the Concentration in Analytics is designed to provide additional information to marketing students to enhance their skills to make more objective-based decisions in today's business environment.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.
- Recommend business solutions.
- Develop business processes and improvements.
- Develop functional business capabilities.
- Facilitate and manage recommended projects.

Concentration Requirements (15 semester hours)

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [MKTG403 - Marketing Management](#)

Concentration in Sales (15 semester hours)

Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate a clear understanding of the sales process including a mastery of sales closes.
- Communicate effectively using oral, written, and electronic documentation skills.
- Analyze customer needs and formulate solutions.
- Use critical thinking and creative and logical analysis skills, strategies, and techniques to solve complex business problems.
- Implement and apply current technical and non-technical solutions to business activities, systems, and processes.
- Demonstrate leadership while working effectively in a sales team environment to accomplish a common goal.
- Demonstrate a foundation of business knowledge and decision-making skills that supports and facilitates lifelong professional development.

Concentration Requirements (15 semester hours)

- [MKTG301 - Principles of Sales](#)
- [MKTG303 - Strategic Internet Marketing](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG403 - Marketing Management](#)
- [MKTG410 - Contracting and Negotiating](#)

Final Program Requirements (3 semester hours)

- [MKTG495 - Senior Seminar in Marketing](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Middle Eastern Studies

A program of study focused on the world's most volatile and controversial region, this degree addresses the political, religious, military, economic, and social/cultural issues of the Middle East. From a wide variety of courses ranging from holy wars to a city-study on Jerusalem, students can choose areas and topics of the Middle East of most interest to them.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

General Knowledge of Comparative Politics

- Compare the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international and transnational organizations in both a global and regional setting.
- Compare and contrast the political, economic, social and military components of national and regional power.
- Evaluate the role of civilization in relationships among nations.

Knowledge of the Middle East

- Evaluate the historical conquests of the region and analyze the colonized peoples’ experiences and world views.
- Determine how conflict and shifting alliances shaped the development of the region.
- Understand the political, economic, security, diplomatic, and social challenges facing Middle Eastern countries individually and as a region.

Middle Eastern Culture

- Compare and contrast the history, essential tenets, and central practices of different cultures within the Middle East.
- Evaluate how the Islamic faith impacts all aspects of the lives of Muslims.
- Characterize the sociological, political, and religious ideologies that influence the literature of the region.
- Distinguish between Islam as a religion and Islamic culture and history.

Arab-Israeli Relations

- Evaluate the motivations of competing Arab-Israeli forces in defense of their respective positions in the ongoing dialogue and confrontation.
- Assess the arguments on both sides of the foundational issues.
- Consider other issues in the context of the wider regional influences that bear upon the future of the Israelis and Arabs in Israel (the West Bank and Gaza).

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century

- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [IRLS210 - International Relations I](#)
- [IRLS213 - Political Geography](#)
- [IRLS260 - Middle Eastern Culture](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS360 - Global Politics of Islam](#)
- [IRLS412 - Comparative Foreign Policy](#)
- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS464 - Middle Eastern Political Economy](#)

Major Requirements (21 semester hours)

Select 7 courses from the following:

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy](#)
- [IRLS468 - Politics and Security in the Persian Gulf](#)
- [LITR365 - Middle Eastern Literature](#)
- [RELS330 - Religions of the Middle East](#)
- [RELS353 - Islam](#)

Final Program Requirements (3 semester hours)

- [IRLS493 - Capstone: Middle Eastern Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Military History

The program ensures that students will learn about the "big picture" through exposure to five historical perspectives while allowing them to tailor the major to their individual interests during the junior and senior years. This degree is for those who seek understanding of the military art and science as well as a general education in the liberal arts. The degree is quite different from history degrees at other universities because it is focused on the forces of human conflict and how those forces have shaped and continue to shape civilization. Students receive a foundation in: (1) the philosophy, strategy, and tactics of conflict; (2) generalship, leadership, and management of warfare, and of people; (3) great historical battles and their influences on society; (4) the influence of technology on warfare, and on society; and (5) the history of related issues such as diplomacy, foreign affairs, international law, war and society, and future war.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of military history, graduates in this degree program will be able to:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [HIST300 - Research Methods in History](#)
- [MILH201 - Introduction to Military History](#)
- [MILH202 - Survey of American Military History](#)
- [MILH221 - War from Antiquity to 1700](#)
- [MILH222 - War from 1700 to the Present](#)
- [MILH303 - Readings in Military Leadership](#)
- [MILH304 - Readings in Military Philosophy](#)

Students must choose a concentration for this degree program and may select from a General Concentration or a Concentration in American Military History.

General Concentration (33 semester hours)

Students who pursue the General Concentration will learn about the "big picture" through exposure to five historical perspectives. They will learn critical and analytical thinking, and effective writing and research methods. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover Ancient and Classical Military History, American Military Campaign Histories, Diplomacy and Peacekeeping, Strategy and Operations, and Current Issues and Future Trends.

Objectives

Students who successfully complete this program will be able to:

- Identify a broad knowledge of the historical literature that pertains to the topics of study included in the degree program and locate the linkage between historical studies and allied disciplines.
- Interpret historical forces that have shaped social change and contemporary human problems and discern an understanding of the historical experiences that go beyond a single time period and national or cultural experience.
- Analyze historical material and make judgments, to establish causal relationships between facts, to find order and patterns, and to answer why and how - not just simply report.
- Analyze the contributions of the major military philosophers and leaders to the understanding of military history.
- Examine the dynamics of diplomacy and peacekeeping as they have existed throughout history and in the present.
- Discuss the major military events, technologies, and nations that shaped our past and contemporary world.
- Examine the operational art and warfare options practiced in historical and modern scenarios.

Concentration Requirements (33 semester hours)

- [MILH362 - Ancient Military History](#)
- [MILH363 - 17th and 18th Century Military History](#)
- [MILH364 - Medieval Military History](#)
- [MILH365 - The Napoleonic Wars and the Long Peace](#)
- [HIST491 - Writing a Research Proposal](#)

And select 6 courses from the following:

- [HIST406 -Civil War and Reconstruction, 1861-1877](#)
- [MILH320 - The American Revolution](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH370 - The Korean War](#)
- [MILH371 - The Vietnam War](#)
- [MILH411 - Diplomacy and War I](#)
- [MILH412 - Diplomacy and War II](#)
- [MILH421- History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988-Present](#)
- [MILH480 - Special Topic: Military History](#) - Students will need permission from the Department Chair to take this course.
- [MILH490 - Independent Study: History](#) - Students will need permission from the Department Chair to take this course.

Concentration in American Military History (33 semester hours)

A student enrolled in the Concentration in American Military History is recommended to take HIST101 - American History to 1877 and HIST221 - African American History before 1877 as part of their General Education Requirements.

Students who pursue this concentration will focus on American Military History from Colonial America to the present. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced American Military History. Topics focus on military operations but also cover foreign policy and domestic political, economic, and social components of early America to the Persian Gulf War.

Objectives

Upon completion of this concentration, students will be able to:

- Identify causes of America's break from the British Empire.
- Compare and contrast the philosophy of early American leaders.
- Analyze the reasons America pushed westward and what that expansion entailed.
- Identify and give examples of the causes of the Civil War as well as differentiate the outcomes of that war in the North and the South.
- Assess the social, economic, and political situation in America leading up to the 20th century.
- Identify the causes of the Great Depression and recognize the attempts that were made to bring America out of it.
- Analyze America's reasoning for joining both World Wars as well as identify military policy and strategy that contributed to eventual victory.
- Elaborate on the political background of the Cold War and what factors led to diplomatic struggles between the United States and the Soviet Union.
- Integrate the cultural revolution of the 1960s and what was happening in Vietnam.
- Identify major political, cultural, and economic developments from the 1980s to the 21st Century.

Concentration Requirements (33 semester hours)

- HIST406 - Civil War and Reconstruction, 1861-1877
- HIST491 - Writing a Research Proposal
- MILH320 - The American Revolution
- MILH355 - World War I
- MILH360 - World War II
- MILH370 - The Korean War
- MILH371 - The Vietnam War

Select 2 courses from the following:

- HIST402 - Colonial America
- HIST403 - The Early Republic, 1783-1815
- HIST404 - Jacksonian America, 1815-1846
- HIST405 - Antebellum America, 1846-1861
- HIST407 - The Gilded Age, 1877-1900
- HIST408 - The United States: 1900 to Second World War
- HIST409 - The United States: WWII to the Present

And select 2 courses from the following:

- MILH411 - Diplomacy and War I
- MILH412 - Diplomacy and War II
- MILH421 - History of Peacekeeping, 1945-1987
- MILH422 - History of Peacekeeping, 1988-Present
- MILH480 - Special Topic: Military History - Students will need permission from the Department Chair to take this course.

- [MILH490 - Independent Study: History](#) - Students will need permission from the Department Chair to take this course.

Final Program Requirements (3 semester hours)

- [MILH498 - Senior Seminar in Military History](#) (to be taken as the last course before graduation) [Prerequisite: HIST491 - Writing a Research Proposal. Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Military Management & Program Acquisition

This program prepares students for careers in managing military personnel and assets and provides graduates with the knowledge to develop and manage programs and systems that organizations must acquire to be successful in accomplishing their missions. The degree is appealing to government contractors and other professionals involved with the military or civilian defense establishment. Students in this program examine strategic planning, communications, finance, and management topics specific to the military and the military-industrial complex. Graduates of this program typically go on to executive employment with the military, government, or corporate environments.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of military management, graduates in this degree program will be able to:

- Integrate the unique aspects of military operations within fundamental business enterprise concepts and principles of management, public relations, finance, strategic planning, and information systems.
- Apply various aspects of human resources, leadership, program management, logistics, law, and ethics to the management of a military organization.
- Identify public administration issues that apply to the military as a federal institution.
- Identify how effective and efficient management processes can directly and indirectly influence the outcome of military operations.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN312 - Operations Research](#)
- [DEFM312 - Defense Budget Development and Execution](#)
- [DEFM314 - Military Logistics](#)
- [DEFM412 - Deliberate and Crisis Planning](#)
- [INFO331 - Management Information Systems](#)
- [LSTD304 - Military Law](#)
- [MATH302 - Statistics](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT311 - Organizational Behavior](#)

Students must choose a concentration for this degree program and may select from either the Military Management and Leadership Concentration or the Program Acquisition and Contracting Concentration.

Concentration in Military Management and Leadership (24 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify classical and contemporary management and leadership theories relevant to addressing today's organizational challenges.
- Examine human characteristics and their bearing on the management and resultant performance of organizations, including the roles of personality, motivation, values, stress, leadership skills, power bases, and communication.
- Recognize legal and ethical issues relating to the management of military personnel and resources and understand the moral and ethical responsibilities of managers in the conduct of daily activities to the organization and the American public.
- Examine the burden of leadership and identify the various challenges, behaviors, and solutions that past military leaders have employed, especially in wartime situations.
- Apply principles of strategic planning to better achieve organizational goals and meet new challenges.

Concentration Requirements (24 semester hours)

- [MGMT312 - Leadership and Motivation](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MGMT414 - Strategic Planning](#)
- [MILH303 - Readings in Military Leadership](#)

And select 3 courses from the following:

- [DEFM310 - Program and Acquisition Management I](#)
- [FINC400 - Principles of Financial Management](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT422 - Bargaining and Negotiation](#)
- [MGMT313 - Organizational Change](#)

Concentration in Program Acquisition and Contracting (24 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine the entire systems acquisition cycle from the point of view of government requirements and the efforts of civilian contractors to bring the system to full operational capacity.
- Apply the fundamentals of defense systems acquisition management recognizing the diverse, interrelated, and changing nature in the different disciplines of defense systems acquisition management.
- Identify the regulations and governing structures of defense systems acquisition management.

- Describe the evaluation process and evaluation criteria used by the government to evaluate and select proposals for contract following the Federal Acquisition Regulations (FAR) and the Defense Federal Acquisition Supplements (DFARS).
- Understand how to conduct basic competitive acquisitions, process awards, and handle contract protests.
- Analyze common financial issues in acquisition that include cost estimating, earned value analysis, and Planning, Programming, Budgeting, and Execution (PPBE).

Concentration Requirements (24 semester hours)

- [DEFM305 - Acquisition Business Management](#)
- [DEFM310 - Program and Acquisition Management I](#)
- [DEFM311 - Program and Acquisition Management II](#) [Prerequisite: DEFM310 - Program and Acquisition Management I]
- [DEFM410 - Program Appraisal](#)
- [DEFM415 - Acquisition Test and Evaluation](#)

And select 3 courses from the following:

- [FINC400 - Principles of Financial Management](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT422 - Bargaining and Negotiation](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT315 - Management Communications](#)

Final Program Requirements (3 semester hours)

- [DEFM465 - Senior Seminar in Military Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (24 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Philosophy

Students in this program are exposed to Eastern, Western and contemporary philosophers and study myth, ritual, and issues of ethics and morality. They learn to think critically and objectively, to write clearly and effectively, and to develop creative solutions to unique situations. Students graduating from this program apply their skills and abilities in professions requiring a high level of analytical thought such as required in think tanks and legal professions.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of philosophy, graduates in this degree program will be able to:

- Discuss the historical development and evolution of philosophy from its origins through contemporary times.
- Explain the various schools of philosophical and moral thought, the history behind their development, and the rationale for their acceptance and practice.
- Recognize and apply logic: what makes a deductive argument valid or an inductive argument strong; an action moral or immoral; a statement believed to be true.
- Stake out a philosophical position in a written composition and critically analyze a philosophical question.
- Analyze and evaluate philosophical arguments from historical and contemporary sources.
- Apply philosophical inquiry to contemporary events.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877• HIST111 - World Civilization before 1650• HIST112 - World Civilization since 1650• HIST121 - Western Civilization before The Thirty Years War• HIST122 - Western Civilization since The Thirty Years War• HIST221 - African-American History before 1877• HIST222 - African-American History since 1877

- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I

- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)
- [PHIL101 - Introduction to Philosophy](#) (Prerequisite for all Core Courses)
- [PHIL300 - Logic](#)
- [PHIL301 - Ethical Theory and Concepts](#)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL303 - Medieval Philosophy](#)
- [PHIL400 - Contemporary Issues in Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

It is recommended, but not required, that the following be taken in sequence if scheduling allows:

[PHIL302 - Ancient Western Philosophy](#)

- [PHIL303 - Medieval Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Students must choose a concentration for this degree program and may select from either a General Concentration or a Concentration in Ethics.

General Concentration Requirements (15 semester hours):

Select 5 courses from the following:

- [CMRJ308 - Ethics in Criminal Justice](#)
- [MGMT314 - Management Ethics](#)
- [MILH304 - Readings in Military Philosophy](#)
- [PBHE361 - Moral Issues in Health Care](#)
- [PHIL310 - Studies in Chinese Thought](#)
- [PHIL311 - Studies in Japanese Thought](#)
- [PHIL320 - Environmental Ethics](#)
- [PHIL404 - Epistemology](#)
- [PHIL410 - God and World](#)
- [RELS411 - Religious Existentialism](#)

Concentration in Ethics (15 semester hours)

Ethics is becoming an increasingly important concern in different fields of endeavor from Wall Street to Main Street and from the playground to the battleground. What constitutes right action? Are we doing the right things? What should we be doing to ensure a good life for us, our families, our nation, and our world?

Objectives

Students who successfully complete this program will be able to:

- Engage the philosophical theories underpinning ethical theories and judgment.
- Assess the importance of individual moral behavior and communal ethical standards and the relationship between the two.
- Explore the influences of religion, politics and psychology on ethical theories and choices.
- Assess standard models of ethics for their strengths and weaknesses.
- Apply ethical theories to particular situations in leadership, military, business, health care, government, and environmental contexts.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [CMRJ308 - Ethics in Criminal Justice](#)
- [COMM280 - Ethics in Communications](#)
- [MGMT314 - Management Ethics](#)
- [PBHE361 - Moral Issues in Health Care](#)
- [PHIL200 - Introduction to Ethics](#)

- [PHIL320 - Environmental Ethics](#)

Final Program Requirements (3 semester hours)

- [PHIL498 - Senior Seminar in Philosophy](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Political Science

Students in this program learn about politics and study questions such as the following: Are democracies with a president and legislative branch more representative than those with a prime minister who leads the legislature? Is a two-party system better than a multi-party system? How can governments respect diverse ethnic, racial, and religious identities, and still promote bonds of common citizenship? What should be the role of the United States in an increasingly interdependent global economy? These are the types of questions that political scientists explore, but they also represent issues that require ordinary citizens to make informed judgments. This program prepares graduates for careers in government such as public management, administration of justice, military service, and the gaining and holding of elected positions. Graduates from political science programs are found in many professions, particularly those involved in large organizations with extensive internal networks requiring skills in dealing with and managing other people.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Political Science, graduates in this degree program will be able to:

Political Theory and Systems

- Analyze the fundamental theories and philosophies of government, governance, economy, and civil society.
- Compare and contrast the political elements of representative democracy and with other political systems.

The United States Political System

- Assess the three institutions of government that create and implement federal policy.
- Analyze the historical evolution and contemporary manifestations of the federal system.

Political Parties and Interest Groups

- Analyze the various roles of interest groups in the United States in both historical and modern democratic processes.
- Assess the impact of political parties on federal, state, and local government.
- Analyze the concept of diversity in American politics, to include gender, ethnicity, and age.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [IRLS200 - Information Literacy and Global Citizenship](#)
- [IRLS300 - Comparative Political Systems](#)

- POLS210 - American Government I
- POLS211 - American Government II
- POLS213 - Political Theory
- POLS311 - Political Parties and Interest Groups
- POLS312 - State, Local, and Community Politics
- POLS314 - Diversity Studies in Politics
- POLS410 - Public Policy

Students must choose a concentration for this degree program and may select from the General Concentration, the Concentration in Comparative Politics, the Concentration in International Relations, or the Concentration in Political Theory.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- INTL301 - U.S. Intelligence Community
- INTL434 - Threat Analysis
- IRLS210 - International Relations I
- IRLS301 - International Organizations
- IRLS302 - International Development
- IRLS405 - National and Transnational Justice
- IRLS417 - International Civil Order
- LSTD301 - Constitutional Law
- PADM300 - Public Management
- PADM301 - Public Economics
- PHIL302 - Ancient Western Philosophy
- PHIL400 - Contemporary Issues in Philosophy
- PHIL415 - Enlightenment Philosophy
- PHIL416 - Modern and Post-Modern Philosophy
- POLS420 - Comparative Politics - Parliamentary Democracy
- POLS430 - Comparative Politics - Communism
- POLS440 - Comparative Politics - Theocracy
- POLS491 - Special Topics in Political Science
- SOCI311 - Political Sociology

Concentration in Comparative Politics (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Assess the fundamental elements that comprise various non-U.S. political systems.
- Analyze how various political systems operate within the context of their indigenous environments.
- Compare and contrast the leadership structures of various political systems with the United States.
- Analyze the political participation and competing interests and groups within various political systems.
- Compare and contrast the domestic impact of politics, society, and culture on various political systems with the United States.
- Assess how various political systems affect international foreign policy and peacekeeping efforts.

Concentration Requirements (15 semester hours)

- [POLS420 - Comparative Politics – Parliamentary Democracy](#)
- [POLS430 - Comparative Politics – Communism](#)
- [POLS440 - Comparative Politics – Theocracy](#)
- [IRLS301 - International Organizations](#)
- [IRLS417 - International Civil Order](#)

Concentration in International Relations (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain how global issues, such as globalization and human rights, affect international relations.
- Discuss how international organizations, such as the United Nations and NATO, define collective security, particularly regarding peacekeeping operations.
- Describe how international justice is established and enforced.
- Examine various global development initiatives to reverse failed and failing nation-states.

Concentration Requirements (15 semester hours)

- [IRLS211 - International Relations II](#)
- [IRLS301 - International Organizations](#)
- [IRLS302 - International Development](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS417 - International Civil Order](#)

Concentration in Political Theory (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Discuss the development and evolution of political theory from their origins to contemporary times.
- Analyze and evaluate political theoretical arguments from historical to contemporary sources.
- Apply political theoretical inquiry to contemporary events.
- Evaluate how philosophy influences political theory over time.
- Critique current political theories for validity.

Concentration Requirements (15 semester hours)

- [PHIL101 - Introduction to Philosophy](#) (This course is required as the first course in the concentration.)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL400 - Contemporary Issues in Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Final Program Requirements (3 semester hours)

- [POLS497 - Senior Seminar in Political Science](#) (to be taken as the last course before graduation) [Prerequisite: Senior

Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Psychology

Students in this degree program examine the theories and history of the workings of the human mind by studying aspects of developmental, organizational and abnormal psychology. Graduates of this program are inclined toward professions that involve a high level of human interaction such as politics, law, counseling, human services, education, law enforcement, military service, and public management.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates.

Graduates in this degree program will be able to:

- Articulate the major theoretical, historical, and conceptual ideas that underpin the broad discipline and specialty areas of psychology.
- Delineate the education, training, roles and professional responsibilities of psychologists.
- Compare methodologies used in psychological research and data analysis.
- Apply results of psychological research to contemporary issues in the field.
- Evaluate how behavior is influenced by internal, environmental, and soci-cultural factors.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (33 semester hours)

- CHFD342 - Human Life Span Development
- PSYC101 - Introduction to Psychology (Required as the first course in this program)
- PSYC102 - Professional Careers and Education in Psychology
- PSYC221 - Personality Theories
- PSYC300 - Research Methods in Psychology
- PSYC303 - Learning and Cognition
- PSYC304 - Perception
- PSYC305 - History and Systems of Psychology
- PSYC325 - Biopsychology [Prerequisite: CHFD342 - Human Life Span Development]
- PSYC406 - Psychopathology [Prerequisite: PSYC101 - Introduction to Psychology]
- SOCI332 - Statistics for Social Science

Major Requirements (15 semester hours)

Select 5 courses from the following 2 categories:

Social/Developmental Psychology

- [CHFD215 - Introduction to Child Development](#)
- [CHFD220 - Human Sexuality](#)
- [CHFD307 - Child and Adolescent Development](#)
- [CHFD308 - Infant-Toddler Development](#)
- [PSYC201 - Introduction to Social Psychology](#)
- [PSYC343 - Adult Development](#)

Clinical/Forensic/Applied Psychology

- [PSYC324 - Psychology of Addiction and Substance Abuse](#)
- [PSYC360 - Psychology of Terrorism](#)
- [PSYC431 - Psychology of Disaster](#)
- [PSYC432 - Psychology of Combat](#)
- [PSYC460 - Sports Psychology](#)

Final Program Requirements (3 semester hours)

- [PSYC498 - Senior Seminar in Psychology](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Religion

Students in this program examine Eastern and Western religions, both historical and contemporary. Students study the cultural, political, and spiritual aspects of religion while being exposed to the theological tenets of religious thought. Graduates of this program are inclined toward professions that include aspects of human services and pastoral assistance.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of religion, graduates in this degree program will be able to:

- Define the term “religion” and identify religion’s influence throughout society.
- Identify and summarize the universal and unique forms of religious expression such as sacred places, symbols, ethics, and rituals.
- Describe the concepts that comprise a religious worldview such as the creation of the world, good and evil, salvation, and the meaning of suffering.
- Discuss the various political, social, and other forms of religious life that are evident in different societies.
- Synthesize knowledge of the cultural, social, scientific and religious aspects of society.
- Explain the role that faith can play in a balanced worldview.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (24 semester hours)

- COLL300 - Research, Analysis, and Writing
- PHIL410 - God and World
- RELS101 - Introduction to the Study of Religion
- RELS201 - Introduction to World Religions
- RELS405 - Myth and Ritual
- RELS411 - Religious Existentialism
- RELS412 - Religious Fundamentalism
- SOCI420 - Sociology of Religion [Prerequisite: SOCI111 - Introduction to Sociology]

Major Requirements (18 semester hours)

Select 6 courses from the following:

- [RELS202 - Religion in America](#)
- [RELS211 - Introduction to the Old Testament](#)
- [RELS212 - Introduction to the New Testament](#)
- [RELS311 - Introduction to the Bible](#)
- [RELS314 - Catholicism and the Modern World](#)
- [RELS321 - Black Religion in America](#)
- [RELS330 - Religions of the Middle East](#)
- [RELS350 - Hinduism](#)
- [RELS351 - Buddhism](#)
- [RELS352 - Muhammad](#)
- [RELS422 - The Teachings of Jesus](#)
- [RELS441 - Modern and Contemporary Judaism](#)
- [RELS452 - Religious Cults](#)
- [RELS480 - Celtic Christianity](#)

Final Program Requirements (3 semester hours)

- [RELS498 - Senior Seminar in Religion](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Retail Management

The Bachelor of Arts in Retail Management will provide students with practical skills and theoretical knowledge needed to become effective managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate management practices in the retail industry.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Retail Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program will be able to:

- Apply the principles and theories of planning, organizing, staffing, directing, leading, and controlling in retail management used by successful retailers in today’s global economy.
- Assess the importance of retail strategy formulation and strategic perspectives of retail management on the impact of retailing in the global economy.
- Deconstruct the impact of innovation within the retail industry to include its challenges and solution-driven strategies to remain current with today’s ever-changing technologies.
- Evaluate retail operations to include successful implementation strategies and operational processes that maximize store profits.
- Summarize and assess retail merchandising operations in the competitive marketplace in relation to corporate profitability.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (21 semester hours)

- HRMT407 - Human Resource Management
- MGMT310 - Principles and Theory of Management
- MGMT410 - Strategic Management
- RTMG300 - Retail Strategy
- RTMG301 - Retail Innovation
- RTMG302 - Retail Operations
- RTMG303 - Retail Merchandising Operations

Major Requirements (18 semester hours)

- [MGMT311 - Organizational Behavior](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [RTMG495 - Senior Seminar in Retail Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Reverse Logistics Management

The Bachelor of Arts in Reverse Logistics Management provides an industry-based group of courses designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain. Others see reverse logistics as marketing or sales. But, within the next three to five years, you will see an increase in reverse logistics as a separate organizational component reporting directly to the CEO or CFO.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Reverse Logistics Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of hospitality management, graduates in this degree program will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#) and [SCIN233 - Physics I with Lab](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [RLMT301 - Introduction to Reverse Logistics Management](#)
- [RLMT302 - Environmental Issues in Reverse Logistics](#)
- [RLMT303 - Technology in Reverse Logistics](#)

- [RLMT304 - Reverse Logistics Policies and Procedures](#)
- [RLMT305 - Cost and Benefit Analysis of Reverse Logistics](#)
- [RLMT306 - Green Logistics Programs and Issues](#)
- [RLMT311 - Reverse Logistics Economics](#)
- [TLMT405 - Best Practices in Reverse Logistics](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [MGMT312 - Leadership and Motivation](#)
- [RLMT307 - Food and Beverage Reverse Logistics](#)
- [RLMT308 - Consumer Electronics Reverse Logistics](#)
- [RLMT309 - Reverse Logistics Management and Operations](#)
- [RLMT310 - Hazardous Materials Handling in Reverse Logistics](#)
- [RLMT400 - Recalls Best Practices and Issues](#)
- [RLMT401 - Reverse Logistics Data and Security Resilience](#)
- [RLMT402 - International Reverse Logistics](#)

Final Program Requirements (3 semester hours)

- [RLMT495 - Senior Seminar in Reverse Logistics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Security Management

This program offers students the opportunity to learn about the principles and theories associated with various types of security, from international security to information security that focus on protection of assets. Graduates of this program are inclined toward professions that involve general public or private management, federal or local government civil service, military service, law enforcement, and private security.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Identify organizational security risk exposure; identify cost-effective mitigation strategies; and prepare for recovery strategies.
- Employ risk analysis and vulnerability assessment processes.
- Critically examine the variety and extent of losses from criminal acts, natural disasters, and security breaches facing society.
- Analyze concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Analyze the trends affecting security and loss prevention and determine the approaches to reduce losses facing businesses and institutions.
- Evaluate, from a multi-disciplinary approach, non-traditional approaches to crime prevention.
- Distinguish between traditional criminal justice roles, functions, and concepts as a reactive institution to the security roles as a preventive societal institution.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [CMRJ300 - Research Methods of Criminal Justice and Security](#)
- [SCMT319 - Global Terrorism](#)
- [SCMT370 - Principles and Theory of Security Issues](#)
- [SCMT371 - Legal and Ethical Issues in Security Management](#)
- [SCMT373 - Evaluation of Security Programs](#)
- [SCMT374 - Contemporary Issues in Security Management](#)
- [SCMT390 - Security Administration](#)
- [SCMT397 - Physical Security](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Government Security, a Concentration in Information Security, or a Concentration in Loss Prevention Management .

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [SCMT101 - Introduction to Security Management](#)
- [SCMT379 - School and Campus Security](#)
- [SCMT392 - Industrial Espionage](#)
- [SCMT396 - Protective Services](#)

Concentration in Government Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Interpret the fundamental government requirements for establishing and maintaining full spectrum security programs.
- Categorize government, industry and military infrastructure within the scope of the concept of Critical Infrastructure Protection.
- Evaluate and counter industrial and economic espionage threats and techniques in all forms and modes of attack.
- Analyze Personnel Security as a key component in the protection of National Security Information, to include background investigations, continuing evaluation, and security awareness.
- Appraise the criteria for properly constructing U.S. government-sponsored facilities and securing such facilities appropriately.
- Utilize Information Assurance techniques and technologies in U.S. government security applications.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [SCMT301 - Foundations of U.S. Government Security](#)
- [SCMT302 - Protecting U.S. Government Facilities](#)
- [SCMT303 - U.S. Government Personnel Security](#)
- [SCMT392 - Industrial Espionage](#)

Concentration in Information Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Use analytical, logical, and critical thinking abilities to analyze organizational information security requirements.
- Apply techniques and technologies to design, develop, and deploy effective information security solutions to defend

against attacks.

- Develop computer and network security solutions and apply audit practices and processes to secure organizational assets and prevent losses.
- Appraise security planning and policy principles that focus on a variety of security guidelines, policies and plans.
- Evaluate and counter industrial espionage threats and techniques that use information technology modes of attack.
- Relate law enforcement intelligence applications and templates to support investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [ISSC362 - IT Security: Attack and Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC471 - IT Security: Auditing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [SCMT392 - Industrial Espionage](#)

Concentration in Loss Prevention Management (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Identify the types of loss retailers' experience.
- Compare and contrast various Risk Management strategies.
- Explain compliance and safety aspects of Risk Management.
- Describe the strategic and operational role of human resource management.
- Examine the role of Supply Chain Management in retail operations.
- Analyze the risks associated with the global distribution chain and mitigation.
- Prepare for LPQ Certification.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [HRMT407 - Human Resource Management](#)
- [RTMG202 - Risk Management](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG302 - Retail Operations](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [SCMT498 - Senior Seminar in Security](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Sociology

Students in this degree program will use the unique view and perspective of sociology to study all forms of human behavior and interaction from the individual and small groups to institutions and globalization. Students will develop a sociological imagination that opens windows into unfamiliar worlds and provides a fresh look at familiar worlds. Students will develop knowledge and a toolkit of applicable skills in research, empirical and theoretical analysis, as well as well developed critical thinking and information literacy skills. Students will investigate key social institutions, contemporary social problems, and social change examining issues of race and ethnicity, gender, age, occupation, sexuality, religion, and all other characteristics of human beings. Graduates of this program are inclined to professions that involve politics, government civil service, health care, child and family support services, general public or private management, and law.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sociology, graduates in this degree program will be able to:

Sociological Literacy (knowledge of content):

- Discuss and differentiate major paradigms and classic and contemporary theories that inform the study of sociology.
- Outline and show how theories reflect the historical and social contexts of the times and cultures in which they were developed.
- Describe the major areas of sociological analysis.
- Relate the structure of modern American society, its social stratification and inequality - ethnic, racial, religious and gender differentiation, and its key social institutions including family, marriage, polity, education, economy, health, religion, and media.
- Examine the basic social processes that maintain and alter social structure and order on a structural, cultural, and individual level, especially the processes of integration, organization, urbanization, globalization, conflict and technological innovation.
- Identify the cultural, multicultural, cross-cultural, and cross-national influences on urban, suburban and rural societies.
- Explain the reciprocal relationship in the influence between societal and structural factors, individual behavior and the self's development.
- Show how social issues can be better understood by emphasizing the micro/macro connections.

Knowledge of Research Methods:

- Outline and design methodological approaches including surveys, field research, experiments, unobtrusive measures, and evaluation research.
- Explain the role of research methods in building sociological knowledge.

Research and Writing Skills:

- Construct and investigate sociological questions using the basic procedures of sociological research and understand the problems of reliability and validity.
- Discuss the data produced by sociological research and use sociological theory to interpret it.
- Examine sociological research ethics and diverse practices.
- Apply statistical knowledge and procedures and computers to gather and analyze data and interpret research findings.

Critical Thinking and Analytical Skills:

- Analyze and evaluate the body of empirical literature focused on sociological theory and application.

- Apply analytic tools, the sociological imagination, and theoretical concepts to understand human social behavior.
- Identify underlying assumptions in particular theoretical orientations or arguments.
- Identify underlying assumptions in particular methodological approaches to an issue.
- Discuss how patterns of thought and knowledge are directly influenced by political-economic social structures.
- Compare and discuss opposing viewpoints and alternative hypotheses on various issues.
- Analyze the policy implications of specific research methods and theories in relation to social problems.

Information Literacy Skills:

- Identify and select the most appropriate investigative methods or information retrieval systems.
- Construct and implement effective search strategies.
- Demonstrate the ability to identify, locate, and retrieve information.
- Analyze, evaluate, and synthesize basic social research for a specific purpose.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)

- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)

- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI213 - Society, Interaction, and the Individual](#)
- [SOCI215 - Social Deviance](#)
- [SOCI303 - Classical Sociological Theory](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI305 - Contemporary Sociological Theory](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [SOCI331 - Research Methods for Sociology](#)
- [SOCI332 - Statistics for Social Science](#)

Major Requirements (15 semester hours)

Select 4 courses from the following:

- [SOCI306 - Race and Ethnicity](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI311 - Political Sociology](#)
- [SOCI315 - Food and Culture](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI321 - Environmental Sociology](#)
- [SOCI403 - Social Change](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI404 - Gender and Society](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI420 - Sociology of Religion](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [SOCI421 - Sociology of the Family](#)
- [SOCI422 - Sociology of the Law](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [SOCI423 - Sociology of Health and Illness](#)

And select 1 course from the following:

- [ANTH202 - Introduction to Cultural Anthropology](#)
- [WOMS319 - Transnational and Global Issues in Women's Studies](#)
- [WOMS320 - Introduction to Feminist Thought](#)
- [WOMS321 - Contemporary Women's Issues](#)
- [WOMS330 - The Black Woman](#)
- [WOMS343 - Native American Women](#)
- [WOMS361 - History of Women in Latin America](#)
- [WOMS378 - Women and Sports](#)
- [WOMS400 - Women of Color: Cross-Cultural Comparison](#)
- [WOMS410 - Women and Leadership](#)

Final Program Requirements (3 semester hours)

- [SOCI498 - Senior Seminar in Sociology](#) (to be taken as the last course before graduation) [Prerequisite: SOCI111 and completion of all core, major, and elective courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Transportation and Logistics Management

The Transportation and Logistics undergraduate degree provides students with principles, management, economics, public policy, technological advancements, trends, and current issues within the logistics industry. More specifically, students will learn about the multiple modes of transportation to include air, maritime, and ground transportation, which is a critical aspect of logistics management. Students will also learn how these transportation modes impact economies, both on a domestic and global scale, as well as the practical application of cutting edge processes and standards within the current business context of transportation and logistics management.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Apply systems analysis to transportation, logistics, and supply chain management.
- Relate the multidimensional impact of transportation on the economy, public systems, national and local infrastructure, and the environment.
- Understand and evaluate the transportation systems’ political, regulatory, and legal issues.
- Describe and assess the strengths and weaknesses of the major modes of international transportation.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

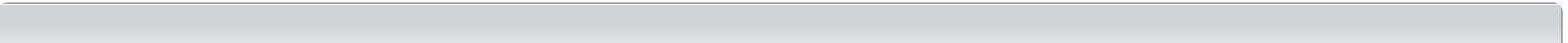
General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)



Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#) [Prerequisite: ECON101 - Microeconomics]
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT312 - Transportation Economics](#)
- [TLMT313 - Supply Chain Management](#)
- [TLMT331 - Fundamentals of Intermodal Transportation](#)
- [TLMT341 - Logistics Management](#) [Prerequisites: TLMT311 - Introduction to Transportation Management, TLMT312 - Transportation Economics, TLMT313 - Supply Chain Management]
- [TLMT351 - Packaging](#)
- [TLMT352 - Distribution Systems](#)
- [TLMT441 - Advanced Business Logistics](#)

Students must choose a concentration for this degree program and may select from a General Concentration, a Concentration in Air Cargo, or a Concentration in Reverse Logistics Management.

General Concentration (15 semester hours)

Select 5 courses from the following:

- [BUSN310 - Business Theory](#)
- [BUSN419 - International Business Management](#)
- [EDMG420 - Risk Communications](#)
- [FINC400 - Principles of Financial Management](#)
- [FINC405 - Budget Development and Execution](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [INFO331 - Management Information Systems](#)
- [POLS410 - Public Policy](#)
- [TLMT318 - Hazardous Materials Transportation](#)
- [TLMT342 - International Logistics Management](#)
- [TLMT353 - Logistics Management and Operations](#)
- [TLMT381 - Hazardous Materials Management](#)
- [TLMT405 - Best Practices in Reverse Logistics](#)
- [TLMT411 - Air Transportation](#)
- [TLMT415 - Airport Operations](#)
- [TLMT442 - International Trade and Regulations](#)

Concentration in Air Cargo (15 semester hours)

This concentration is designed to educate a new generation of airport and air operations professionals in air freight forwarding services as a key component in global logistics management, retail management, transportation management, and in accounting best practices to all components of today's complex cargo movement business environment. Students will have an opportunity to understand how air cargo rules of operation are being used in their military or civilian air logistics organization. It will provide students with the knowledge base of current applications and opportunities to study practical applications in domestic and international air transportation and air logistics scenarios.

Objectives

Upon completion of this concentration, students will be able to:

- Classify and explain the issues and challenges of implementing an air freight forwarding management system.
- Explain best practices of air cargo operations.
- Analyze the relationships and interaction among private and public sector stakeholders who secure airport operations from a variety of potential disruptions.
- Understand the role of the airport manager in the management, administration, financing and operating within small, medium, and large hub airports.
- Acquire an in-depth analysis of the complex balance of airport management and air cargo handling companies.
- Understand physical facility planning for cargo management, the economics of airport operation and the organizational structure of related companies who support the movement of air cargo through airports.

Concentration Requirements (15 semester hours)

- [TLMT415 - Airport Operations](#)

- [TLMT416 - Air Cargo Operations and Security](#)

Select 3 courses from the following:

- [FINC400 - Principles of Financial Management](#)
- [HLSS311 - Border and Coastal Security](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [TLMT342 - International Logistics Management](#)
- [TLMT411 - Air Transportation](#)

Concentration in Reverse Logistics Management (15 semester hours)

This concentration is designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, and in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain; others see reverse logistics as marketing or sales. However, within the next three to five years, one will see an increase in reverse logistics as a separate organizational component reporting directly to the CEO or CFO.

Objectives

Upon completion of this concentration, students will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [RLMT302 - Environmental Issues in Reverse Logistics](#)
- [RLMT303 - Technology in Reverse Logistics](#)
- [RLMT305 - Cost and Benefit Analysis of Reverse Logistics](#)
- [RLMT307 - Food & Beverage Reverse Logistics](#)
- [RLMT309 - Reverse Logistics Management and Operations](#)
- [RLMT400 - Recalls Best Practices and Issues](#)
- [RLMT401 - Reverse Logistics Data and Security Resilience](#)

Final Program Requirements (3 semester hours)

- [TLMT498 - Senior Seminar in Transportation and Logistics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Accounting

The Bachelor of Science in Accounting prepares students to succeed in various accounting careers in public accounting, governmental accounting, and not-for-profit accounting. Students gain the theoretical knowledge, practical skills, and research skills needed to address complex accounting issues.

The successful completion of APUS programs and courses may or may not satisfy the educational requirements for the Certified Public Accountant (CPA) exam. Educational requirements for the CPA exam vary by state. Students are responsible for checking the requirements of the state board of accountancy where they expect to sit for the CPA exam and where they desire to ultimately be licensed. Contacts for the state boards of accountancy may be found on the National Association of State Boards of Accountancy website (<http://nasba.org/stateboards/>).

Under the rules of the Texas State Board of Public Accountancy, at least 15 hours of upper-level accounting course work must result from physical attendance at classes meeting regularly on the campus of the transcript-issuing institution. Completion of APUS's accounting programs and coursework may not meet the education requirements to sit for the CPA exam or obtain a CPA license in Texas. Individuals wishing to sit for the CPA exam or obtain a CPA license in Texas should check with the Texas State Board of Public Accountancy to determine their eligibility and for additional requirements that may apply (<https://www.tsbpa.state.tx.us/>).

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Accounting also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of accounting, graduates in this degree program will be able to:

- Explain the roles accountants perform in society.
- Discuss Generally Accepted Accounting Principles (GAAP) and their controlling authorities and relate these concepts with appropriate accounting practices.
- Analyze and prepare financial information for management and stakeholders utilizing appropriate accounting analyses and reports.
- Demonstrate a basic knowledge of the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Articulate a basic knowledge of legal and business terms and concepts relating to the practice of accounting.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">● COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">● ENGL101 - Proficiency in Writing [Required]● ENGL102 - Effectiveness in Writing● ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (42 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]

- [BUSN310 - Business Theory](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN312 - Operations Research](#) [Prerequisites: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- [BUSN313 - Global and Competitive Strategy](#)
- [BUSN419 - International Business Management](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [FINC400 - Principles of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT314 - Management Ethics](#)
- [MKTG201 - Fundamentals of Marketing](#)

Major Requirements (27 semester hours)

- [ACCT301 - Intermediate Accounting I](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT302 - Intermediate Accounting II](#) [Prerequisite: ACCT301 - Intermediate Accounting I]
- [ACCT303 - Intermediate Accounting III](#) [Prerequisite: ACCT302 - Intermediate Accounting II]
- [ACCT305 - Accounting Information Systems](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT400 - Auditing](#) [Prerequisite: ACCT303 - Intermediate Accounting III]
- [ACCT405 - Managerial Accounting](#) [Prerequisite: ACCT301 - Intermediate Accounting or equivalent]
- [ACCT410 - Governmental and Not-for-Profit Accounting](#) [Prerequisite ACCT301 - Intermediate Accounting I]
- [ACCT415 - Law for Accountants](#)
- [ACCT420 - Individual Federal Tax](#) [Prerequisite: ACCT100 - Accounting I]

Final Program Requirements (3 semester hours)

- [ACCT499 - Senior Seminar in Accounting](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Criminal Justice - Forensics

This program is for students seeking an in-depth scientific study of crime, criminal behavior, crime scene investigation theories, and the importance of scientific analysis as evidence presented in the criminal justice system. Forensic science is the application of scientific methods and analysis of scientific data to support the law. This program focuses on the study of scientific theories and analyzing these theories associated with crime scene investigation techniques. Students will study the theory of forensic science, including the nature and scope of the discipline, the application of forensic science to crime, police investigation and the adjudication process, and the legal and ethical issues associated with forensics. Students will also examine the importance of scientific analysis of physical evidence and its place in the judicial system. Students receive a solid foundation of course work that provides the content and analytical and communication skills required for working in complex criminal justice occupations.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of criminal justice, graduates in this degree program will be able to:

- Describe the functions of police, courts, and corrections.
- Identify the basic methodological approaches in gaining criminological knowledge.
- Critically evaluate the various methodologies used to measure crime.
- Explain the socio-political nature of defining certain acts as criminal behavior.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.
- Analyze and compare major criminology theories and trends in criminal activity.
- Conduct research associated with criminal justice and criminology theories.
- Demonstrate ethical criminal justice research practices.
- Outline theories and practices associated to crime control efforts.
- Discuss theories and practice associated with crime scene investigation.
- Evaluate different theories and techniques for recovering potential evidence.
- Discuss theories of modern analytical chemistry as applied to forensic problems.
- Describe the role of data analysis in testing criminological theories and assessing crime reduction efforts.
- Display clear knowledge of ethical concerns when physical evidence is presented to the criminal justice system.
- Describe and analyze advancements made in law enforcement forensics practices.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
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- [SCIN136 - Introduction to Oceanography with Lab](#)
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- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (34 semester hours)

- [CMRJ201 - Criminal Justice Administration](#)
- [CMRJ300 - Research Methods of Criminal Justice and Security](#)

CMRJ303 - Criminology

- CMRJ306 - Criminal Investigation
- CMRJ308 - Ethics in Criminal Justice
- CMRJ329 - Criminal Profiling
- CMRJ335 - Crime Analysis
- CMRJ341 - Criminalistics
- LSTD301 - Constitutional Law
- LSTD302 - Criminal Law
- SCIN131 - Introduction to Chemistry with Lab

Concentration in Forensics Requirements (24 semester hours)

- CMRJ205 - Rape and Sexual Violence
- CMRJ330 - DNA in the Criminal Justice System
- CMRJ331 - Fingerprint Analysis
- CMRJ332 - Bloodspatter Pattern Analysis
- CMRJ333 - Firearms Forensics Investigation
- CMRJ334 - Voice Stress Analysis
- CMRJ402 - The Pathology of Death Investigations
- LSTD400 - Criminal Legal Process

Final Program Requirement (4 semester hours)

- CMRJ498 - Forensic Law Enforcement Capstone (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment]

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Cybersecurity

This program is for students interested in pursuing careers in Cybersecurity. Cybercrime, cyber terrorism, cyber espionage and cyber-attacks of mammoth levels have led Cybersecurity to become a national priority. The risks are not limited to organizations only - the United States government, every company, and every individual is impacted from these attacks. Today, we each carry anywhere from two to a dozen devices on us at all times that are subject to these attacks. Our national power grids - the bloodline for the nation's information highway, is subject to these attacks. Disruption may result in total incapacitation. Strengthening IT infrastructures and early detection and prevention of attacks is of utmost importance. Recent efforts at cybersecurity legislation have not been as efficacious as needed to fulfill the market growth in this area, leaving a shortage of qualified candidates. Government and industry analysts expect the job market in Cybersecurity to grow more than 50% in the next four years. The government needs to hire at least 10,000 experts in the near future and the private sector needs four times that number. The U.S. Bureau of Labor Statistics includes cybersecurity professionals in the larger category of "information security analysts, web developers and computer network architects"; seeing over 20% increases in employment through 2020. This program prepares the student with the necessary skills and competencies for job titles such as: cybersecurity forensic specialists, security analyst, security auditor, security consultant, security risk assessor, security manager, information security officer, security trainer, and security systems designer. These skills include the investigation of various cybersecurity resources, tools, laws, and methods, to strategically assess, evaluate, plan, design, develop, and implement countermeasures for effective cybersecurity defense mechanisms.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Cybersecurity also seeks the following specific learning outcomes of its graduates:

- Compare and contrast the various aspects of cybersecurity including the relationship between cyber defense, cyber operations, cyber exploitations, cyber intelligence, cybercrime, and cyber law within federal and state laws.
- Demonstrate an understanding of the processes and goals of cyber forensics investigations including the importance of search warrants and chain of custody in a forensic investigation of computer-related crimes.
- Develop strategies and plans for security architecture consisting of tools, techniques, and technologies to detect and prevent network penetration, and to design effective cybersecurity countermeasures.
- Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and satellite networks that affect the security of the cyberspace.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (42 semester hours)

- [ENTD261 - Scripting Languages for the Administrator](#)

- [ISSC325 - Biometrics](#)
- [ISSC342 - Operating Systems: Hardening and Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC343 - Wireless Networks](#) [Prerequisite: MATH110 - College Algebra]
- [ISSC351 - Computer Forensics](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC451 - Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITMG481 - Ethics in Information Technology](#)

Major Requirements (27 semester hours)

- [CMRJ303 - Criminology](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL440 - Cyber Warfare](#)
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

And select 4 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [ENTD412 - Systems Engineering](#)
- [INFO321 - Database Management Systems](#)
- [INTL434 - Threat Analysis](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical and Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [SCMT371 - Legal and Ethical Issues in Security Management](#)

Final Program Requirements (3 semester hours)

- [ISSC499 - Senior Seminar in Cybersecurity](#) (to be taken as the last course before graduation) [Prerequisite: ENGL101 - Proficiency in Writing. Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Electrical Engineering

The Bachelor of Science in Electrical Engineering (BSEE) program focuses on the theories, practices, methodologies, competencies, tools, and technologies associated with electrical engineering. You'll get both the online-classroom and the hands-on lab experience you'll need to excel as an electrical engineer, including firm foundations in math, computers, and physical sciences. The courses cover a broad range of topics, such as:

- Basic elements in analog circuit design.
- Fundamentals of circuit analysis—Ohm's law, Kirchhoff's law, superposition, etc.
- International System of Units.
- Digital and logic circuit analysis and design in 6 main parts.
- Energy conversion and transport.
- Electromagnetic field theory.
- Passive microwave circuit analysis and design.
- Transmitting and receiving information without wires.
- Radar and RF signal propagation, transmission, and reception.

The U.S. Bureau of Labor Statistics predicts a 4% job growth by 2022 for electrical and electronics engineers due to the engineer's versatility in developing and applying emerging technologies. Because this program fills a market-driven educational need, earning your BSEE could give you a step up in starting a career in industries ranging from aerospace, telecommunications, and defense to automotive, medical, construction, chemical, and more.

Note: The technology fee for the engineering courses (those with the ENGR and ELEN prefix) in this program is \$100. Some of the engineering courses will require you to purchase course materials to confirm and apply the concepts; the total cost for these course materials is approximately \$12,000.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program seeks the following specific learning outcomes of its graduates:

- Use knowledge of mathematics, science, and engineering.
- Design and conduct experiments.
- Analyze and interpret data.
- Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- Identify, formulate, and solve engineering problems.
- Use principles of professional and ethical responsibility.
- Use of broad education to appraise the impact of engineering solutions in a global, economic, environmental, and societal context.
- Use techniques, skills, and engineering tools necessary for engineering practice.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (26 semester hours)

English - 3 semester hours

- [ENGL101 - Proficiency in Writing](#)

History - 3 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 3 semester hours

- [ECON101 - Microeconomics](#)

Core Requirements (69 semester hours)

- [ELEN300 - Electrical Engineering Fundamentals](#) (4 semester hours)
- [ELEN303 - Measurements and Instrumentation](#)
- [ELEN305 - Electrical Circuit Analysis](#) (4 semester hours)
- [ELEN306 - Analog Circuit Theory](#) (4 semester hours)
- [ELEN307 - Digital Circuit Theory](#) (4 semester hours)
- [ELEN310 - Continuous and Discrete Signals and Systems](#) (4 semester hours)
- [ELEN312 - Energy Conversion Processes and Systems](#)
- [ELEN325 - Field Theory](#)
- [ELEN416 - Control Systems Theory and Design](#)
- [ELEN420 - Communication Systems](#)
- [ENGL220 - Technical Writing](#)
- [ENGR200 - Introduction to Engineering and Computing](#)
- [ENGR300 - Fundamentals of Mechanical Engineering](#)
- [ENTD381 - Object Oriented Programing with Java](#)
- [MATH111 - College Trigonometry](#)
- [MATH210 - Discrete Mathematics](#)
- [MATH225 - Calculus I](#)
- [MATH226 - Calculus II](#)
- [MATH240 - Differential Equations](#)
- [MATH302 - Statistics](#)
- [SCIN131 - Introduction to Chemistry with Lab](#) (4 semester hours)

Students must choose a concentration for this degree program and may select from a General Concentration, Communications Concentration, or Mechatronic Systems Concentration.

General Concentration (18 semester hours)

Concentration Requirements (18 semester hours)

Select 2 courses from the following:

- [ELEN421 - RF/Microwave Engineering 1](#)
- [ELEN426 - Antennas – Theory and Applications](#)
- [ELEN430 - Embedded Systems Design](#)
- [ENTD333 - Application Development for the iPhone and iPad](#)

And select 3 courses from the following:

- [ELEN422 - RF/Microwave Engineering 2](#) (4 semester hours)
- [ELEN423 - Wireless Communications](#) (4 semester hours)
- [ELEN427 - Radar Systems Theory](#) (4 semester hours)
- [ELEN435 - Introduction to Power Electronics](#) (4 semester hours)
- [ELEN436 - Advanced Power Electronics](#) (4 semester hours)
- [ELEN440 - Mechatronics](#) (4 semester hours)

Concentration in Communications (18 semester hours)

Concentration Requirements (18 semester hours)

- [ELEN421 - RF/Microwave Engineering 1](#)
- [ELEN422 - RF/Microwave Engineering 2](#) (4 semester hours)
- [ELEN423 - Wireless Communications](#) (4 semester hours)
- [ELEN426 - Antennas – Theory and Applications](#)
- [ELEN427 - Radar Systems Theory](#) (4 semester hours)

Concentration in Mechatronic Systems (18 semester hours)

Concentration Requirements (18 semester hours)

- [ELEN430 - Embedded Systems Design](#)
- [ELEN435 - Introduction to Power Electronics](#) (4 semester hours)
- [ELEN436 - Advanced Power Electronics](#) (4 semester hours)
- [ELEN440 - Mechatronics](#) (4 semester hours)
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]

Final Program Requirements (6 semester hours)

- [ELEN498 - BSEE - Senior Seminar Design](#)
- [ELEN499 - BSEE - Senior Seminar Project](#) (to be taken as the last course before graduation)

Elective Requirements (4 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 126 semester hours

Bachelor of Science in Environmental Science

This degree is for students interested in environmental policy and analysis as well as environment management including stewardship of natural resources, pollution management, fish and wildlife management, and hazardous materials. The program requires course work in both the natural and social sciences with a particular focus on the complex relationship among science, management, and policy. The ultimate purpose of the degree program is to provide students with a scientific understanding of ecological and social systems, which then can be applied in a policy or management context.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of environmental science, graduates in this degree program will be able to:

- Demonstrate knowledge of political, legal, economic, and social dynamics associated with the environment and management of the environment.
- Examine environmental compliance in terms of moral, political, and economic factors.
- Analyze environmental issues within their economic, historical, and theoretical context.
- Assess an environmental perspective that includes alternative approaches to economic development and incorporates a code of responsibility.
- Quantitatively and qualitatively evaluate the consequences of ecological disasters on public health, productivity, and social and economic welfare.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calcululus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (33 semester hours)

- EVSP201 - Environmental Economics
- EVSP310 - Water Science
- EVSP311 - Soil Science
- EVSP411 - Environmental Policy, Regulation, and Law
- EVSP413 - Environmental and Ecosystems Management
- MATH302 - Statistics [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- PHIL320 - Environmental Ethics
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN138 - Introduction to Physical Geology with Lab

Students must choose a concentration for this degree program and may select from a General Concentration, Environmental Technology and Management Concentration, Fish and Wildlife Management Concentration, Regional and Community Environmental Planning Concentration, or Sustainability Concentration.

General Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP316 - U.S. Federal Environmental Organization](#)
- [EVSP317 - Environmental Enforcement](#)
- [EVSP330 - Fish and Wildlife Policy, Programs, and Issues](#)
- [EVSP412 - Environmental Management Systems](#)
- [EVSP414 - Air Quality Management](#)
- [EVSP415 - Environmental Impact Assessment](#)
- [EVPS416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [EVSP417 - Conservation Biology](#) [Prerequisite: EVPS416 - General Ecology]
- [EVSP418 - Green Infrastructure and Renewable Technologies](#)
- [EVSP430 - Pollution and Pollution Management](#)
- [SCIN310 - Vertebrate Zoology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN311 - Fishery Biology](#)
- [SCIN314 - Botany](#)
- [SCIN316 - Plant Identification, Taxonomy and Systematics](#)
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#)
- [SCIN403 - Plant Science](#)

Concentration in Environmental Technology and Management (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Define the theoretical foundation of the disciplines of environmental hazard mitigation and pollution management.
- Explain the regulatory, policy, and political influences on environmental management and sustainability.
- Develop management strategies that incorporate environmental compliance standards and achieve organizational missions.
- Describe the current and emerging technologies in the treatment, remediation, and disposal of environmental contaminants.
- Evaluate strategies and assess mitigation plans for environmental contaminants.
- Assess the consequences of the ecological impacts on public health and safety, and social and economic welfare.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EDMG240 - Chemistry of Hazardous Materials](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP412 - Environmental Management Systems](#)
- [EVSP414 - Air Quality Management](#)
- [EVSP430 - Pollution and Pollution Management](#)

- [PBHE427 - Epidemiology](#)

Concentration in Fish and Wildlife Management (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP330 - Fish and Wildlife Policies, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP341 - Introduction to Wildlife Management](#)
- [EVSP342 - Population Ecology](#)
- [EVSP415 - Environmental Impact Assessment](#)
- [EVPS416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [EVSP417 - Conservation Biology](#) [Prerequisite: EVPS416 - General Ecology]
- [EVSP421 - Water Resources Management](#)
- [SCIN311 - Fishery Biology](#)
- [SCIN314 - Botany](#)
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#)

Concentration in Regional and Community Environmental Planning (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify critical issues in landscape level planning and development that affect regional and local environmental planners and assess their implications on the environment and quality of life for the citizenry.
- Assess the resource needs (energy, water resources, sustainability, green space, etc.) of a population and develop strategies for meeting them.
- Describe innovative approaches, alternative actions, and strategic planning efforts needed to resolve complex, landscape-level land use planning problems and meet the needs of multiple and varied stakeholders.
- Assess leading trends and challenges in the fields of local and regional planning, landscape-level planning, and environmental assessment and impact.
- Describe current and emerging technologies in sustainable land use planning and energy development and discuss appropriate applications.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP415 - Environmental Impact Assessment](#)
- [EVSP421 - Water Resources Management](#)
- [POLS312 - State, Local, and Community Politics](#)

Concentration in Sustainability (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain the foundational principles of resource and energy sustainability.
- List current and emerging renewable energy technologies.
- Explain society's dependence on fossil fuel and traditional energy sources.
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services.
- Apply the principles of sustainability to land use and development planning.
- Assess the impact of green infrastructure and sustainable design on global resource sustainability.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP418 - Green Infrastructure and Renewable Technologies](#)
- [EVSP421 - Water Resources Management](#)

Final Program Requirements (3 semester hours)

- [EVSP499 - Senior Seminar in Environmental Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Fire Science Management

This degree provides students with the principles, theory, and practices associated with leading edge fire science and management including issues associated with tactical fire operations, fire safety, firefighting leadership and management, and community fire issues among many others. This degree is applicable to the fire services, and it is also useful as a foundation degree for application in other professions or further academic study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of fire science management, graduates in this degree program will be able to:

- Analyze the current and historical strategies, practices, and policies that guide the modern field of fire science.
- Demonstrate the role of fire science personnel in leading, managing, and collaborating with colleagues, subordinates, constituents, and the community.
- Apply theory and practical methods to issues in fire science.
- Summarize the methods and resources needed to effectively manage fire services.
- Examine assessment and planning tactics to improve organization and community risk management for fire services.
- Describe strategies and methods to accomplish fire science operations.
- Differentiate the various practices involved in fire science, their fundamental scientific principles, and their associated mitigation and response strategies.
- Interpret the legal and regulatory duties and responsibilities that have an impact on the fire science field.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (60 semester hours)

- COLL300 - Research, Analysis and Writing
- EDMG220 - Emergency Planning
- EDMG230 - Emergency and Disaster Incident Command
- EDMG330 - Managerial Issues in Hazardous Materials
- FSMT102 - Fire Behavior and Combustion
- FSMT188 - Fire Prevention
- FSMT201 - Fire Protection Systems
- FSMT210 - Fundamentals of Fire Protection
- FSMT287 - Fire Protection in Building Construction
- FSMT289 - Fire Protection Hydraulics and Water Supply
- FSMT311 - Fire Dynamics

- [FSMT320 - Fire Protection Structure and System Design](#)
- [FSMT321 - Community Fire Mitigation and Protection](#)
- [FSMT340 - Incendiary Fire Analysis and Investigation](#)
- [FSMT362 - Fire Administration and Finance](#)
- [FSMT405 - Fire Safety and Risk Regulation](#)
- [FSMT410 - Fire Regulation, Policy, and Law](#)
- [FSMT475 - Applications of Fire Research](#)
- [HRMT407 - Human Resource Management](#)
- [PSYC431 - Psychology of Disaster](#)

Final Program Requirements (3 semester hours)

- [FSMT498 - Senior Seminar in Fire Science](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Information Systems Security

This program is for students interested in pursuing careers in Information Systems Security (ISS) or Information Assurance (IA). Information can provide the competitive edge in both the military and civilian sectors. Protecting this information is of paramount importance. Hacking competitor information is a prevalent business and military strategy. Military and civilian jobs are becoming more technical and complex in nature, and this phenomenon is generating a corresponding requirement for higher level skills and education in Information Systems Security. Protecting the information assets of an organization is critical to maintaining the trust and the business of their clientele and to the credibility and survival of the organization. The curriculum focuses on addressing these information security needs in the marketplace. Students completing this program can apply for a broad range of IT-related positions such as: security analyst, security auditor, security consultant, security risk assessor, security manager, project manager, IT manager, information security officer, security trainer, and security systems designer.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates:

- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Information Systems Security solutions.
- Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and web-based networks.
- Prescribe Information Assurance initiatives to protect an organization's information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation.
- Develop a security architecture consisting of tools, techniques, and technologies to prevent the penetration of networks, to detect attacks, and to design effective countermeasures.
- Generate a risk assessment and risk mitigation methodology to analyze and manage risks in the context of Network Security.
- Apply the discipline of network attack and defense to develop effective countermeasures to keeping hackers outside the perimeter of the network.
- Develop Network Security audit practices, processes, and plans, and specify the roles and responsibilities of the staff on the audit team.
- Develop actionable and maintainable network and information security plans and policies that address physical security, authentication, network security, encryption, software development, email, internet, acceptable use, acceptable speech, and viruses/worms.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing

- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (36 semester hours)

- [ISSC340 - Local Area Network Technologies](#) [Prerequisite: MATH110 - College Algebra, or MATH111 - College Trigonometry, or MATH125 - Math for Liberal Arts Majors, or MATH225 - Calculus, or equivalent of any of these courses]
- [ISSC342 - Operating Systems: Hardening and Securing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC362 - IT Security: Attack and Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC363 - IT Security: Risk Management](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC461 - IT Security: Countermeasures](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC471 - IT Security: Auditing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC490 - IT Security: Business Continuity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Application Security, Concentration in Cloud Computing, Concentration in Cybersecurity, Concentration in Digital Forensics, or Concentration in Enterprise Security.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD321 - Object-Oriented Programming and UML](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD331 - Application Development for the Blackberry](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]
- [ENTD361 - Enterprise Development using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and WEBD121 - Website Development Fundamentals]
- [ENTD381 - Object Oriented Programming with Java](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and WEBD241 - Website Development using JavaScript]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD461 - Enterprise Development using VB.NET: Advanced](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

- [ENTD462 - Enterprise Development using ASP.NET](#) [[Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and WEBD121 - Website Development Fundamentals]
- [ENTD463 - Enterprise Development using C#](#) [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]
- [ENTD465 - Application Development for Windows Mobile Operating System](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD481 - Enterprise Development using J2EE](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD381 - Object Oriented Programming with Java I]
- [INFO161 - Relational Databases with Microsoft Access: Introduction](#)
- [INFO171 - Relational Databases with Oracle: SQL Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with Microsoft Access: Advanced](#) [Prerequisite: INFO161 - Relational Databases with MS Access: Introduction]
- [INFO262 - Relational Databases with Microsoft Access: Project](#) [Prerequisite: INFO221 - Relational Database Concepts and INFO261 - Relational Databases with Microsoft Access: Advanced]
- [INFO271 - Relational Databases with Oracle: SQL Intermediate](#)
- [INFO321 - Database Management Systems](#)
- [INFO331 - Management Information Systems](#)
- [INFO361 - Relational Databases with Microsoft SQL Server](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, INFO221 - Relational Database Concepts, or INFO321 - Database Management Systems]
- [INFO371 - Relational Databases With Oracle: PL/SQL](#)
- [INFO471 - Relational Databases With Oracle: Forms & Reports](#)
- [ISSC321 - Computer Systems Organization: Intermediate](#)
- [ISSC322 - Computer Systems Organization: Advanced](#) [Prerequisite: ISSC321 - Computer Systems Organization: Intermediate]
- [ISSC323 - Computer Hardware Systems](#)
- [ISSC326 - Cloud Computing](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC351 - Computer Forensics](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical and Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC386 - Green Computing: Foundations and Strategies](#)
- [ISSC387 - Green Computing: Advanced Topics](#) [Prerequisite: ISSC386 - Green Computing: Foundations & Strategies]
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC426 - Cloud Security and Privacy](#) [Prerequisite: ISSC326 - Cloud Computing]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC451 - Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to

Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]

- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ITMG321 - Information Technology Project Management*](#)
OR
- [ITMG322 - Project Management using Microsoft Project*](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD222 - Advanced Web Analytics](#) [Prerequisite: WEBD122 - Introduction to Web Analytics]
- [WEBD241 - Web Site Development using JavaScript](#) [Prerequisite: WEBD121 - Website Development Fundamentals]
- [WEBD242 - Web Development using XHTML](#)
- [WEBD321 - Web eCommerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)
- [WEBD341 - Enterprise Data Exchange using XML](#) [Prerequisite: WEBD121 - Website Development Fundamentals]

*Students may not take both ITMG321 and ITMG322 to fulfill general concentration.

Concentration in Application Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Using Object-oriented design create, construct, and test programs.
- Create, construct, and test programs using object-oriented design.
- Implement Access Control Systems to prevent unauthorized access and security breaches.
- Plan, design, and develop a security strategy and solution for securing the organization's databases.
- Apply cryptographic techniques for encryption and decryption to data, files, and networks.
- Develop a security strategy and solution for securing applications compliant to certain standards, requirements and objectives.

Concentration Requirements (15 semester hours)

- [ENTD381 - Object-Oriented Programming with Java](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211

- Introduction to Software Design]

- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Concentration in Cloud Computing (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Demonstrate a thorough comprehension of the key principles of cloud computing and the security and privacy involved with this emerging technology.
- Examine Service-Oriented Architecture (SOA) and convert logical designs into services that can be implemented in today's Cloud environments.
- Assess, evaluate, and apply the necessary tools to analyze an organization's assets and verify if the cloud security and privacy implications are justifiable in implementing Cloud Computing.
- Employ the appropriate resources to model service specifications and service contracts to perform service orchestration.
- Demonstrate effective decision making and management techniques to support the organization's objective of growth while putting best practices into place.
- Apply best practices for the next generation IT professional through continuous awareness for the environmental impact when developing and implementing IT systems and reap the business benefits of adopting a Green IT strategy.

Concentration Requirements (15 semester hours)

- [ISSC326 - Cloud Computing](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC386 - Green Computing: Foundations and Strategies](#)
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC426 - Cloud Security and Privacy](#) [Prerequisite: ISSC326 - Cloud Computing]

Concentration in Cybersecurity (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Demonstrate an understanding of the processes and goals of cyber forensics investigations.
- Assess and select Federal and State laws and legal concepts that affect how governments and organizations think about information security.
- Support the importance of search warrants and chain of custody in a forensic investigation.
- Apply the field of Cybersecurity and the regulatory standards and compliances.
- Gain the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes.

Concentration Requirements (15 semester hours)

- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC351 - Computer Forensics](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC451 - Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]]

Concentration in Digital Forensics (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks both, caused by mobile and wireless peripheral devices, then evaluate security and access procedures within wireless Internet use subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, e-mail tracking techniques, e-mail crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.
- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

Concentration Requirements (15 semester hours)

- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]

Concentration in Enterprise Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Create a security plan to address the policies and guidelines for an organization's security requirements, users both internal and external, operational costs, geography, capacity and growth plans.
- Using Object-oriented design, create, construct, and test programs.
- Apply and develop best practices in emerging technologies for Linux systems, networks, firewalls, and applications.
- Plan, design, and develop a security strategy and solution for securing the organization's databases.
- Examine and develop best practices for physical penetration testing and defense techniques against physical attacks and apply safeguards for probing facilities towards perimeter security.
- Develop a security strategy and solution for securing applications compliant to certain standards, requirements and objectives.

Concentration Requirements (15 semester hours)

- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC368 - IT Security: Physical and Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Final Program Requirements (3 semester hours)

- [ISSC498 - IT Security: Implementation Plan \(Capstone\)](#) (to be taken as the last course before graduation) [Prerequisite: [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]]

Electives (27 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Information Technology

This program provides high quality educational opportunities for students interested in pursuing careers that support our computer/information-based society and economy. The curriculum focuses on problem-solving skills and techniques needed to provide computer-based and web-based IT solutions in our global ecommerce based economy. The explosive growth of the Internet and Information Technology has generated a significant need for IT professionals and consequently for education in IT. This degree program fills this market driven educational need; it focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with the IT marketplace. This program is designed to produce academically sound and functionally competent IT professionals that have the necessary foundation to be productive in the IT industry. These degree programs are market driven; they prepare learners to exploit the high demand for IT professionals in various sectors in the industry. Students completing the IT program can apply for IT-related positions, such as: web developer, web publisher, programmer analyst, systems analyst, database analyst, database designer, .NET developer, .NET architect, information systems analyst, project manager, and information technology manager.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates:

- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Information Technology solutions.
- Analyze the information needs and develop entity relationship models that represent the relationships and the cardinality in an information system.
- Appraise the principles for designing relational and object-relational database systems.
- Examine the principles and concepts of Object-Oriented Programming (OOP); also appraise the impact of (OOP) on software quality and on reusability.
- Evaluate the principles of design and analyze the process for building web sites.
- Design, develop, and deploy enterprise applications on the desktop and on the Web.
- Evaluate the impact of the .NET Framework and Visual Basic.NET on IT Management and on Global Economies as it applies to developing, deploying, and managing desktop and web-based applications.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [ENTD200 - Fundamentals of Programming](#)
- [ENTD311 - Analysis and Design of Information Systems](#)
- [ENTD321 - Object-Oriented Programming and UML](#) [Prerequisite: [ENTD200 - Fundamentals of Programming](#) or [ENTD211 - Introduction to Software Design](#)]

- [INFO161 - Relational Databases with MS Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with Microsoft Access: Advanced](#) [Prerequisite: INFO161 - Relational Databases with MS Access: Introduction]
- [ISSC340 - Local Area Network Technologies](#) [Prerequisite: MATH110 - College Algebra, or MATH111 - College Trigonometry, or MATH125 - Math for Liberal Arts Majors, or MATH225 - Calculus, or equivalent of any of these courses]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITCC121 - Introduction to Computer Science](#)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD241 - Web Development using JavaScript](#)
- [WEBD242 - Web Development using XHTML](#)
- [WEBD341 - Enterprise Data Exchange using XML](#) [Prerequisite: WEBD121 - Web Development Fundamentals]

Students must choose a concentration for this degree program and may select from a General Concentration, E-Commerce Concentration, Mobile Computing Concentration, or Web Development using .NET Concentration.

General Concentration Requirements (15 semester hours)

- [INFO331 - Management Information Systems](#)
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

And select 3 courses from the following:

- [DSIN141 - Image Enhancement using Adobe Photoshop](#)
- [DSIN143 - Design using Adobe InDesign](#)
- [DSIN241 - Illustration and Design Studio using Adobe Illustrator](#)
- [DSIN242 - Motion Graphics using Adobe Flash](#)
- [ENTD211 - Introduction to Software Design](#)
- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD331 - Application Development for the Blackberry](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]
- [ENTD361 - Enterprise Development using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD371 - Database Driven Web Applications using PHP & MySQL](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and INFO221 - Relational Database Concepts]
- [ENTD381 - Object Oriented Programming with Java](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD461 - Enterprise Development using VB.NET: Advanced](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD462 - Enterprise Development using ASP.NET](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

- [ENTD463 - Enterprise Development using C#](#) [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]
- [ENTD464 - Enterprise Development using .NET: Project](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD465 - Application Development for Windows Mobile Operating Systems](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD481 - Enterprise Development using J2EE](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [INFO111 - Enterprise Data Presentation with Crystal Reports](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, or INFO171 - Relational Databases with Oracle: SQL Introduction, or INFO221 - Relational Database Concepts]
- [INFO171 - Relational Databases with Oracle: SQL Introduction](#)
- [INFO271 - Relational Databases with Oracle: SQL Intermediate](#)
- [INFO321 - Database Management Systems](#)
- [INFO361 - Relational Databases with Microsoft SQL Server](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, INFO221 - Relational Database Concepts, or INFO321 - Database Management Systems]
- [INFO371 - Relational Databases With Oracle: PL/SQL](#)
- [INFO399 - Information Technology Practicum](#) [Students will need permission from the faculty member to take this course.]
- [INFO471 - Relational Databases With Oracle: Forms & Reports](#)
- [ISSC326 - Cloud Computing](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC362 - IT Security: Attack & Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical & Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC386 - Green Computing: Foundations & Strategies](#)
- [ISSC387 - Green Computing: Advanced Topics](#)
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC426 - Cloud Security and Privacy](#)
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC441 - Network Telecommunication Concepts](#)
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer

Forensics or ISSC451 - Cybercrime]

- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC471 - IT Security: Auditing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITCC112 - Advanced Productivity Applications](#)
- [ITCC200 - Application Software Integration](#)
- [ITMG321 - Information Technology Project Management*](#)

OR

- [ITMG322 - Project Management using Microsoft Project*](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [ITMG421 - Virtual Management](#)
- [ITMG471 - Information Systems: Policy and Planning](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD220 - Web 2.0 Fundamentals](#)
- [WEBD222 - Advanced Web Analytics](#) [Prerequisite: WEBD122 - Introduction to Web Analytics]
- [WEBD321 - Web eCommerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)

*Students may not take both ITMG321 and ITMG322 to fulfill concentration requirements.

E-Commerce Concentration (15 semester hours)

The purpose of this concentration is to broaden the scope of understanding e-commerce for information technology students interested in using this technology. As the technology field shifts, the curriculum must embrace the changes in technology to appropriately address the needs of the students. The growth of the World Wide Web, supported by the increased use of the Internet to purchase goods and services, has led to e-commerce, or electronic commerce, the buying and selling of products and services via computer networks. E-commerce is now one of the leading trends in Web technology that is influencing the use of Websites. Two pioneers of e-commerce are Amazon.com, which sells books and other goods, and Priceline.com, which allows customers to pay for airline tickets and hotel rooms online. E-commerce focuses on three major types of e-commerce as defined by B2B (business-to-business) commerce, B2C (business-to-consumer), and C2C (consumer-to-consumer). Upon completion of this concentration, graduates will be able to:

- Explain the principles and practices of e-commerce technology.

- Analyze guidelines and techniques associated with e-commerce development.
- Summarize the growing trends of e-commerce development and how it is transforming businesses.
- Analyze Web technology tools available to manage e-commerce.
- Apply Web analytics, Web videography, search engine optimization, and Web content management systems skills to promote e-commerce.

Concentration Requirements (15 semester hours):

- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD321 - Web eCommerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)

Mobile Computing Concentration (15 semester hours)

Upon completion of this concentration, graduates will be able to:

- Examine the principles and practices of mobile computing.
- Summarize the growing trends of mobile computing development and how it is transforming businesses.
- Research guidelines and techniques associated with mobile application design, development, and deployment.
- Analyze, design, develop, write, test and deploy mobile applications into the target platform environment.
- Assess the benefits of designing and developing mobile application software to promote mobile computing for Droid, Blackberry, iPhone, and iPad.

Concentration Requirements (15 semester hours):

- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD465 - Application Development for Windows Mobile Operating Systems](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Web Development using .NET Concentration (15 semester hours)

This concentration focuses on the principles and practices necessary to design, develop, and deploy web applications using the .NET framework on the Web. Graduates will be able to build real-world .NET applications based on the knowledge and skills gained in the program. This program prepares the adult learner to seek entry-level career positions such as: Web database developer, Visual Basic developer, C# developer, and .NET developer. In addition to applying and using Object-Oriented Programming (OOP), Visual Basic, ASP, and C# to develop web applications. Upon completion of this concentration, graduates will be able to:

- Summarize the impact of the .NET framework on IT Management, on security, and on global economies as it applies to enterprise ecommerce solutions on the Web.
- Examine the use of Object-Oriented Programming (OOP) principles in Visual Basic, ASP, and C#.
- Analyze the hierarchy of the Framework Class Libraries (FCL)

- Design application objects and properties for use on the web.
- Develop application objects and properties for use on the Web.
- Explain the architecture, life cycle, management issues, and process for developing Visual Basic, ASP, and C# web applications.

Concentration Requirements (15 semester hours):

- [ENTD361 - Enterprise Development using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD461 - Enterprise Development using VB.NET: Advanced](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD462 - Enterprise Development using ASP.NET](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD463 - Enterprise Development using C#](#) [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]
- [ENTD464 - Enterprise Development using .NET: Project](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Final Program Requirements (3 semester hours)

- [INFO498 - Information Technology: Capstone](#) (to be taken as the last course before graduation) [Prerequisite: [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (24 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Information Technology Management

This program is for students interested in pursuing careers in fields that support our computer/information-based society and economy. The curriculum focuses on problem-solving skills and techniques needed to provide computer-based solutions to practical problems. Students develop and communicate technological solutions to industrial problems, manage systems operations, improve and evaluate products, provide customer support, and facilitate technology transfer in industry and government. Students learn to apply ethical judgments and critical thinking to assess the impact of information technology on contemporary social, political, and economic issues. Students completing the IT program can apply for a range of IT-related positions, such as: programmer analyst, systems analyst, database analyst, information systems analyst, network analyst, security analyst, security risk assessor/manager, project manager, computer resource manager, and IT manager.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Information Technology Management, graduates in this degree program will be able to:

- Interpret fundamental computer science concepts and use computer applications to enhance productivity.
- Integrate the theory and practice of information technology with the fundamental principles of business enterprise management, finance, operations, strategic planning, and marketing.
- Examine the influences of technology on the conduct of business operations, the rise of e-commerce, the globalization of business, and the increase in telecommuting.
- Apply the principles of Information Technology Management in a modern organization.
- Identify the prevailing legal principles and issues associated with information technology the workplace and in society at large.
- Appraise the principles and practices of database systems, local area networks, information systems, information security, and information technology project planning.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors

- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [BUSN320 - Principles of E Business](#)
- [ENTD200 - Fundamentals of Programming](#)
- [INFO321 - Database Management Systems](#) [Prerequisite: [ISSC340 - Local Area Network Technologies](#)]
- [INFO331 - Management Information Systems](#)
- [ISSC340 - Local Area Network Technologies](#) [Prerequisite: [MATH110 - College Algebra](#), or [MATH111 - College Trigonometry](#), or [MATH125 - Math for Liberal Arts Majors](#), or [MATH225 - Calculus](#), or equivalent of any of these courses]
- [ISSC363 - IT Security: Risk Management](#) [Prerequisite: [ISSC340 - Local Area Network Technologies](#) or [ISSC341](#)]

- Introduction to Networking or ISSC343 - Wireless Networks]

- [ITCC111 - Basic Productivity Applications](#)
- [ITCC121 - Introduction to Computer Science](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [WEBD311 - Internet Concepts](#)

And select 1 course from the following:

- [ITMG321 - Information Technology Project Management](#)
- [ITMG322 - Project Management using Microsoft Project](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [ENTD311 - Analysis and Design of Information Systems](#)
- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD331 - Application Development for the Blackberry](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENGR200 - Introduction to Engineering and Computing (for Engineering majors)]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD465 - Application Development for Windows Mobile Operating Systems](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [INFO171 - Relational Databases with Oracle: SQL Introduction](#)
- [INFO271 - Relational Databases with Oracle: SQL Intermediate](#)
- [INFO371 - Relational Databases With Oracle: PL/SQL](#)
- [INFO399 - Information Technology Practicum](#) [Students will need permission from the faculty member to take this course.]
- [INFO471 - Relational Databases With Oracle: Forms & Reports](#)
- [ISSC326 - Cloud Computing](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical & Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC386 - Green Computing: Foundations & Strategies](#)
- [ISSC387 - Green Computing: Advanced Topics](#)
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to

Networking or ISSC343 - Wireless Networks]

- [ISSC426 - Cloud Security and Privacy](#)
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC441 - Network Telecommunication Concepts](#)
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ITCC112 - Advanced Productivity Applications](#)
- [ITMG421 - Virtual Management](#)
- [ITMG471 - Information Systems: Policy and Planning](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD222 - Advanced Web Analytics](#) [Prerequisite: WEBD122 - Introduction to Web Analytics]
- [WEBD321 - Web e-Commerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)

Final Program Requirements (3 semester hours)

- [ITMG498 - IT Management: Senior Seminar](#) (to be taken as the last course before graduation) [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Legal Studies

This program is designed for students interested in the study of law and legal issues or for those interested in a social sciences-oriented degree that emphasizes governance, civil and criminal processes, legal systems, and the theory and philosophy of justice.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Identify historical events and figures that have contributed to the present-day court system in the United States.
- Conduct legal research and demonstrate the fundamentals of legal writing and citation.
- Identify and apply the procedural vehicles used by agencies for making agency policy, including agency investigations and subpoenas, agency rulemaking and agency adjudication
- Analyze the processes, ethics, and procedures of the modern legal practice.
- Explain the various rights provided to United States Citizens by the U.S. Constitution, Amendments, Bill of Rights, and various U.S. Supreme Court decisions.
- Relate the purpose and scope of criminal law in America to its sources.
- Examine the various legal issues related to family law.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [LSTD204 - Introduction to the Courts](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD210 - Legal Ethics](#)
- [LSTD300 - Administrative Law and Policy](#)
- [LSTD301 - Constitutional Law](#)
- [LSTD302 - Criminal Law](#)
- [LSTD303 - Family Law](#)

Major Requirements (18 semester Hours)

Select 6 courses from the following:

- [BUSN311 - Law and Ethics in the Business Environment](#)
- [EVSP411 - Environmental Policy, Regulation, and Law](#)

- [HOSP204 - Introduction to Hotel and Restaurant Law](#)
- [HOSP302 - Hospitality Law](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [LSTD207 - Civil Practice and Procedure](#)
- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [LSTD304 - Military Law](#)
- [LSTD306 - International Law](#)
- [LSTD401 - Maritime Law](#)
- [LSTD402 - Immigration Law and Policy](#)
- [LSTD453 - Evidence](#)
- [POLS410 - Public Policy](#)
- [SOCI422 - Sociology of the Law](#) [Prerequisite: [SOCI111 - Introduction to Sociology](#)]

Final Program Requirements (3 semester hours)

- [LSTD497 - Senior Seminar in Legal Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics provides students with the mathematical skills to synthesize knowledge from the branches of mathematics to solve the critical issues we face today and in the future. The program provides students with practical skills and theoretical knowledge of mathematics, statistics, and computational methods. The program is designed to focus on knowledge of mathematics, the critical thinking skills necessary to assess, evaluate, and apply practical solutions to complex issues and the application of quantitative and qualitative methods in a wide variety of work disciplines. This degree will prepare our graduates to use their skills in almost every sector of the job market including mathematics-based positions in business, industry, engineering, management, government, and the military services.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Mathematics also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of mathematics, graduates in this degree program will be able to:

- Apply calculus, statistics, and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate mathematical models.
- Apply mathematical models to solve problems or provide insights into complex issues.
- Implement qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate mathematics verbally and in writing.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [BUSN312 - Operations Research](#) [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, and MATH225 - Calculus]
- [ENGL220 - Technical Writing](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MATH200 - Analytic Geometry](#) [Prerequisite: MATH110 - College Algebra]
- [MATH210 - Discrete Math](#) [Prerequisite: MATH110 - College Algebra]
- [MATH220 - Linear Algebra](#) [Prerequisite: MATH110 - College Algebra]
- [MATH225 - Calculus](#) [Prerequisite: MATH111 - College Trigonometry]
- [MATH226 - Calculus II](#) [Prerequisite: MATH225 - Calculus]
- [MATH227 - Calculus III](#) [Prerequisite: MATH226 - Calculus II]
- [MATH239 - Data Analysis and Presentation](#) [Prerequisite: MATH220 - Linear Algebra]
- [MATH240 - Differential Equations](#) [Prerequisite: MATH226 - Calculus II]

- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MATH320 - Mathematical Modeling](#) [Prerequisite: MATH220 - Linear Algebra]
- [MATH328 - Probability Theory with Applications](#) [Prerequisite: MATH226 - Calculus II]

Students must choose a concentration for this degree program and may select from a Concentration in Applied Mathematics, Concentration in Operations Research, or a Concentration in Statistics.

Concentration in Applied Mathematics (21 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Applied Mathematics seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Apply advanced mathematical theory and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate advanced mathematical models.
- Implement advanced mathematical models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods, and results of advanced mathematics analyses verbally and in writing.

Concentration Requirements (21 semester hours)

- [MATH305 - Real Analysis](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH360 - Mathematics History and Development](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH412 - Graph Theory](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH418 - Topology](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH419 - Set Theory](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH460 - Principles of Applied Math](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH470 - Measurement Theory](#) [Prerequisite: MATH305 - Real Analysis]

Concentration in Operations Research (21 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Operations Research seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Apply advanced analytical and operations research methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate operational models.
- Implement operational models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize advanced mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods and results of operations research analyses verbally and in writing.

Concentration Requirements (21 semester hours)

- [MATH330 - Linear Optimization](#) [Prerequisite: MATH220 - Linear Algebra]
- [MATH340 - Multivariate Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH370 - Waiting Line Models and Systems](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH375 - Inventory Models and Systems](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH410 - Design of Experiments](#) [Prerequisite: MATH340 - Multivariate Statistics]
- [MATH415 - Operational Simulation](#) [Prerequisite: MATH302 - Statistics and MATH320 - Math Modeling]
- [MATH420 - Game Theory and Decision Models](#) [Prerequisite: MATH220 - Linear Algebra and MATH225 - Calculus]

Concentration in Statistics (21 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Statistics seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Apply advanced statistics and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate mathematical and statistical models.
- Implement mathematical and statistical models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods and results of statistical analyses verbally and in writing.

Concentration Requirements (21 semester hours)

- [MATH325 - Linear Regression I](#) [Prerequisite: MATH220 - Linear Algebra and MATH302 - Statistics]
- [MATH335 - Non-Parametric Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH340 - Multivariate Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH360 - Mathematics History and Development](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH410 - Design of Experiments](#) [Prerequisite: MATH340 - Multivariate Statistics]
- [MATH431 - Linear Regression II](#) [Prerequisite: MATH325 - Linear Regression I]
- [MATH440 - Stochastic Processes](#) [Prerequisite: MATH320 - Math Modeling]

Final Program Requirements (3 semester hours)

- [MATH499 - Senior Seminar in Mathematics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Natural Sciences

The B.S. in Natural Sciences prepares you for entry-level careers as a scientist or laboratory technician or manager, or to pursue higher-level graduate study in the natural science fields. Through this undergraduate degree program you will:

- Gain the scientific and analytical skills needed to become a well-rounded scientist
- Build a solid foundation in the sciences through multiple courses of study in biology, chemistry, physics and earth science
- Perform hands-on laboratory exercises to complement the topics and concepts covered in lecture material
- Learn the unique structure, style, process, and documentation required for scientific writing
- Study the history and philosophy of science including prominent contributors from the ancient Greeks to current day
- Understand essential elements of scientific research and issues associated with the scientific method, experimental and non-experimental research design, and statistical data analyses

In addition, the program meets all content standards of the National Science Teachers Association (NSTA) for secondary science education. Therefore, upon completion of this program, you will be eligible to pursue teacher’s certification through a post-baccalaureate program in education if your goal is to become a high school or middle school science teacher.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science degree in Natural Sciences seeks the following specific learning outcomes of its graduates:

- Demonstrate a solid foundation in the theory and application of the natural sciences.
- Apply the scientific method and appropriate tools to investigate and solve problems.
- Demonstrate critical thinking skills in assessing and evaluating problems.
- Formulate scientific models and apply them to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the scientific domains.
- Use quantitative techniques to solve complex problems.
- Effectively communicate scientific findings verbally and in writing, to both scientific and lay audiences.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (27 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 3 semester hours

- [HIST101 - American History to 1877](#)

- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH111 - College Trigonometry

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (51 semester hours)

- [BIOL133 - General Biology I with Lab](#) (4 semester hours)
- [BIOL134 - General Biology II with Lab](#) (4 semester hours) [Prerequisite: BIOL133 - General Biology I with Lab]
- [CHEM133 - General Chemistry I with Lab](#) (4 semester hours)
- [CHEM134 - General Chemistry II with Lab](#) (4 semester hours) [Prerequisite: CHEM133 - General Chemistry I with Lab]
- [ENGL221 - Scientific Writing](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [GEOG103 - Physical Geography](#)
- [HIST270 - History of Science](#)
- [MATH225 - Calculus](#) [Prerequisite: MATH111 - College Trigonometry]
- [MATH226 - Calculus II](#) [Prerequisite: MATH225 - Calculus]
- [MATH302 - Statistics](#) [Prerequisite: Math110 - College Algebra, or MATH111 - College Trigonometry, or MATH225 - Calculus]
- [PHIL202 - Philosophy of Science](#)
- [SCIN299 - Natural Sciences Review](#)
- [SCIN400 - Research Methods in Natural Sciences](#) [Prerequisite: SCIN299 - Natural Sciences Review]

Select 1 course from the following:

- [PHYS133 - Elements of Physics I with Lab](#) (4 semester hours) [Prerequisite: MATH110 - College Algebra]
- [SCIN233 - Physics I with Lab](#) (4 semester hours) [Prerequisite: MATH225 - Calculus]

And select 1 course from the following:

- [PHYS134 - Elements of Physics II with Lab](#) (4 semester hours) [Prerequisite: PHYS133 - Elements of Physics I with Lab]
- [SCIN234 - Physics II with Lab](#) (4 semester hours) [Prerequisites: SCIN233 - Physics I with Lab and MATH226 - Calculus II]

Students must choose a concentration for this degree program and may select from the Biology or Earth Science Concentrations.

Concentration in Biology (29 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Describe the organization, functions, and biochemical pathways required for life at the cellular level.
- Integrate the laws of chemistry and physics with the principles of cell biology.
- Relate the structures and functions of multicellular organisms with the maintenance of homeostasis.
- Integrate the principles of genetics, heredity, and biological evolution.
- Relate the survival of individual organisms with the principles of population biology, the environment, and biological evolution.
- Describe common research methods in biology.

Concentration Requirements (29 semester hours)

- [BIOL240 - Elements of Biological Chemistry](#) [Prerequisites: BIOL134 - General Biology II with Lab and CHEM134 - General Chemistry II with Lab]
- [BIOL241 - Cell Biology](#) [Prerequisites: BIOL134 - General Biology II with Lab and CHEM134 - General Chemistry II with Lab]
- [BIOL342 - Evolutionary Biology with Lab](#) (4 semester hours) [Prerequisites: BIOL134 - General Biology II with Lab and SCIN211 - Principles of Genetics with Lab]
- [EVSP416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN211 - Principles of Genetics with Lab](#) (4 semester hours) [Prerequisite: SCIN130 - Introduction to Biology with Lab]

And select 4 courses from the following:

- [BIOL301 - Molecular Biology](#) [Prerequisites: BIOL134 - General Biology II with Lab and SCIN211 - Principles of Genetics with Lab]
- [BIOL322 - Developmental Biology](#) [Prerequisites: BIOL241 - Cell Biology and SCIN211 - Principles of Genetics with Lab]
- [GEOG200 - Fundamentals of GIS I](#)
- [SCIN202 - Microbiology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN206 - Marine Biology](#)
- [SCIN310 - Vertebrate Zoology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN311 - Fisheries Biology](#)
- [SCIN316 - Plant Identification, Taxonomy, and Systematics](#)
- [SCIN360 - Advanced Human Anatomy and Physiology](#) [Prerequisite: SCIN132 - Introduction to Human Anatomy and Physiology with Lab]
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#)
- [SCIN403 - Plant Science](#)

Concentration in Earth Science (29 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Use the scientific method and scientific tools to solve problems related to the Earth.
- Demonstrate a comprehensive understanding of the interrelated physical, chemical, and biological processes operating in the Earth system.
- Identify the process and features associated with the Earth's interior, landscapes, oceans, and atmosphere.
- Construct a history of the Earth, focusing on physical, chemical, and biological changes.

- Present earth science information clearly, in multiple formats (written, oral, graphically).
- Integrate knowledge of earth science into an understanding of societal issues and problems.
- Demonstrate good scientific ethics.
- Identify different earth materials, including those of economic value.

Concentration Requirements (29 semester hours):

- [ERSC204 - Earth System History](#) [Prerequisite: SCIN138 - Introduction to Physical Geology with Lab]
- [ERSC206 - Weather and Climate](#) [Prerequisites: PHYS134 - Elements of Physics II with Lab or SCIN234 - Physics II with Lab and MATH226 - Calculus II]
- [ERSC305 - Ocean and Atmospheric Dynamics](#) [Prerequisites: PHYS134 - Elements of Physics II with Lab or SCIN234 - Physics II with Lab and MATH226 - Calculus II]
- [GEOG200 - Fundamentals of GIS I](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#) (4 semester hours)
- [SCIN261 - Introduction to Planetary Science with Lab](#) (4 semester hours)
- *And select 3 courses from the following:*
- [ERSC301 - Hydrology](#) [Prerequisite: GEOG103 - Physical Geography]
- [ERSC302 - Geomorphology](#) [Prerequisite: SCIN138 - Introduction to Physical Geology with Lab]
- [ERSC303 - Conservation of Natural Resources](#)
- [ERSC401 - Natural Hazards and Society](#) [Prerequisites: ERSC206 - Weather and Climate, ERSC302 - Geomorphology, and GEOG103 - Physical Geography]
- [EVSP310 - Water Science](#)
- [EVSP311 - Soil Science](#)
- [EVSP416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [GEOG201 - Fundamentals of Geographic Information Systems II](#) [Prerequisite: GEOG200 - Fundamentals of GIS I]

Final Program Requirements (3 semester hours)

- [SCIN499 - Senior Seminar in Natural Sciences](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major. Students in the Biology concentration are encouraged to consider the Human Anatomy and Physiology with Lab sequence (BIOL250 and BIOL251, 4 semester hours each) as part of their elective choices.

Total = 122 semester hours

Bachelor of Science in Nursing

The Online RN to Bachelor of Science in Nursing (BSN) program at American Public University System is designed to facilitate the immediate and lifelong professional development needs of Registered Nurses who earned an associate degree in nursing and have a current, active license as a Registered Nurse. Accredited by the Commission on Collegiate Nursing Education (CCNE), the curriculum reflects current nursing practice and the Institute of Medicine recommendations for nursing education.

The program focuses on the development of the professional nursing role in three primary areas: Practitioner, Scientist and Leader. Students work with faculty to implement and evaluate a professional development plan to improve critical thinking, clinical reasoning, oral and written communication comprehension of published research, and knowledgeable, skillful participation in organizational, community, and global health issues. The program builds a strong foundation for graduate study.

The baccalaureate program at American Public University System is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791.

This program has specific admission requirements.

Degree Program Objectives

Graduates in this degree program will be able to:

- Improve performance in the professional nursing role by developing leadership, management, and communication skills to improve the health of individuals, families, and communities.
- Enhance communication and collaboration with patients, families, and members of healthcare teams to achieve effective and efficient coordination of care.
- Utilize evidence and leadership principles to promote a culture of safety and achieve outcomes that are grounded in institutional values and professional ethics.
- Develop competence with available technologies to access critical information, network with other professionals, and facilitate optimal patient care.
- Apply scientific principles and the nursing process to evaluate responses to therapies and changes in patient stability.
- Integrate knowledge of human and organizational behavior to lead teams and promote cultures of safety.
- Analyze the impact of financial, regulatory, and political decisions on local, national and global health outcomes.
- Integrate knowledge of ethical, socioeconomic, and cultural factors to decrease health disparities and advocate for vulnerable populations.
- Value lifelong learning and participation in professional networks to promote and shape the profession of nursing.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">● COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs.

Major Requirements (33 semester hours)
Associate's degree in Nursing and a current, active registered nursing license.

[MATH302 - Statistics](#) [Prerequisites: MATH110 - College Algebra, MATH111 - College Trigonometry, MATH 225 - Calculus]

Course credit will be transferred against applicable General Education requirements below and to the broad category of lower level credit.

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology with Lab I](#)
- [BIOL251 - Human Anatomy and Physiology with Lab II](#)

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (32 semester hours)

- [NURS300 - Professional Transitions in Nursing](#)
- [NURS310 - Assessment, Evaluation and Clinical Decision-Making](#) [Prerequisite: [NURS300 - Professional Transitions in](#)

Nursing]

- [NURS320 - Integrated Pathophysiology and Clinical Pharmacology I](#) [Prerequisite: NURS310 - Assessment, Evaluation and Clinical Decision-Making]
- [NURS330 - Integrated Pathophysiology and Clinical Pharmacology II](#) [Prerequisite: NURS320 - Integrated Pathophysiology and Clinical Pharmacology I]
- [NURS340 - Science of Evidence-Based Practice](#) [Prerequisites: MATH302 - Statistics, NURS330 - Integrated Pathophysiology and Clinical Pharmacology II]
- [NURS350 - Transformational Leadership and Cultures of Safety](#) [Prerequisite: NURS340 - Science of Evidence-Based Practice]
- [NURS400 - Emerging Scholarship and Trends in Healthcare](#) [Prerequisite: NURS350 - Transformational Leadership and Cultures of Safety]
- [NURS401 - Caring for Today's Veterans](#)
- [NURS410 - Community Health I](#) (4 semester hours) [Prerequisite: NURS400 - Emerging Scholarship and Trends in Healthcare]
- [NURS420 - Community Health II](#) (4 semester hours) [Prerequisite: NURS410 - Community Health I]

Final Program Requirements (3 semester hours)

- [NURS498 - Senior Seminar in Nursing Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment]

Elective Requirements (12 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Public Health

This degree provides a professionally focused understanding of public health issues in America and abroad including the science, psychology, and sociology associated with public health issues. Students will study public law, policy, and administration associated with the effective and efficient administration of public health and will learn of the health system, its management, finances, and structure. Students in this program are typically interested in (or already employed in) some aspect of the health system, concerned of the public health situation in the United States and/or abroad, or are generally interested scholars who seek a public-minded degree.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of public health, graduates in this degree program will be able to:

- Apply organizational design principles to the unique healthcare organization construct.
- Perform macro- and microeconomic analyses of healthcare production and costs.
- Critically analyze the healthcare system in the United States.
- Create a plan for efficient healthcare system management.
- Develop an ethical system to analyze moral issues in public health services delivery.
- Discuss epidemiological issues in society.
- Appraise the U.S. medical care system, its problems, and potential for reform.
- Analyze international and comparative public health concepts, approaches, and systems.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (35 semester hours)

- COLL300 - Research, Analysis, and Writing
- PBHE112 - Health Services Organization
- PBHE209 - Wellness: Health Promotion and Disease Prevention
- PBHE211 - Public Health in America
- PBHE315 - Health Economics and Finance
- PBHE361 - Moral Issues in Health Care
- PBHE426 - Quarantine
- PBHE427 - Epidemiology
- POLS410 - Public Policy
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [EDMG220 - Emergency Planning](#)
- [EDMG230 - Emergency and Disaster Incident Command](#)
- [EDMG340 - Consequence Management](#)
- [EDMG420 - Risk Communications](#)
- [HLSS212 - Chemical, Biological and Radiological Hazards](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [PBHE111 - Introduction to Health Care Administration](#)
- [PBHE413 - Special Operations in Emergency Medical Services](#)
- [PSYC324 - Psychology of Addiction and Substance Abuse](#)
- [PSYC406 - Psychopathology](#)
- [PSYC431 - Psychology of Disaster](#)

Concentration in Health and Wellness (15 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Health and Wellness seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Evaluate the role of nutrition on individual health.
- Describe issues related to the personality factors in exercise and the psychological effects of exercise.
- Discuss challenges related to motivation and the fundamentals of achievement motivation to guide practice and performance.
- Explain concepts related to social, environmental, and occupational factors in health and illness.
- Analyze human food choices from an ecological, political, and sociological perspective.

Concentration Requirements (15 semester hours)

- [PSYC460 - Sports Psychology](#)
- [SOCI315 - Food and Culture](#)
- [SOCI423 - Sociology of Health and Illness](#)
- [SPHE295 - Foundations of Nutrition](#)
- [SPHE314 - Exercise Physiology](#)

Final Program Requirements (3 semester hours)

- [PBHE498 - Senior Seminar in Public Health](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (15 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor

or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Space Studies

This program blends the study of space science, management, operations, economy, and national security. After completing the core courses in the general program, students will take four courses that cover space station, satellite, space craft, or transportation systems as well as courses in planetary and space explorations, space weapons, space weather, and astronomy.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of space studies, graduates in this degree program will be able to:

Research and Analysis

- Conduct fundamental quantitative and qualitative research related to space systems and theory.
- Analyze the principles of manned and unmanned flight outside of Earth’s atmosphere.

Scientific Investigation

- Calculate and apply basic laws of planetary motion and gravitation including two-body mechanics.
- Describe rocket fundamentals including propellants, combustion principles, and general components.

National and International Security

- Assess the institutions of space law and determine how these institutions affect applications such as commercial and private satellite sales and arms control.
- Describe the role(s) of key space organizations in the United States.
- Evaluate the political and commercial significance of major national and international space endeavors including past, current, and planned.
- Analyze the advantages and disadvantages of space systems in modern warfare, including manned and unmanned aerial vehicles as well as space-based platforms.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (38 semester hours)

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SPST300 - Introduction to Space Studies](#) [Prerequisite: MATH111 - College Trigonometry]

- [SPST301 - Introduction to Space Flight](#)
- [SPST302 - Comets, Asteroids, and Meteorites](#)
- [SPST303 - History of Space](#)
- [SPST304 - National Space Organization](#)
- [SPST305 - Introduction to Orbital Mechanics](#)
- [SPST306 - Human Space Flight](#)
- [SPST307 - Space Policy](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [SPST415 - Space Station Systems and Operations](#)
- [SPST425 - Satellite and Spacecraft Systems](#)
- [SPST435 - Planetary and Space Exploration](#)
- [SPST445 - Space Transportation Systems](#)
- [SPST455 - Space Weapons and Missile Defense](#)
- [SPST465 - Space Weather](#)
- [SPST475 - History of Astronomy](#)
- [SPST490 - Independent Study - Aerospace](#)

Final Program Requirements (3 semester hours)

- [SPST499 - Senior Seminar in Space Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 124 semester hours

Bachelor of Science in Sports and Health Sciences

The Sports and Health Sciences degree is a scientific study of human movement and human behavior relative to exercise, fitness, nutrition, health, and wellness. This degree is designed to prepare students to meet challenges in these dynamic and emerging fields of study. Students will engage in core issues and concepts in areas such as anatomy and physiology, nutrition, kinesiology, and exercise programming and testing. An emphasis is placed on biophysical functions, evidence based practice and principles applicable to human movement and performance in physical activity.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sports and health sciences, graduates in this degree program will be able to:

- Apply fundamental concepts of human anatomy, physiology, nutrition, health, and kinesiology to applications in sports and fitness.
- Perform motivational strategies and tactics designed to guide practice and performance in physical activity.
- Design a healthful diet for varying populations based off sound nutritional principles and concepts generated from the Dietary Guidelines for Americans.
- Critically analyze steroids usage on athletic performance including associated muscle reaction and medical risks.
- Illustrate appropriate procedures for treating upper and lower body sport injuries.
- Construct exercise programs applicable in fitness, rehabilitation, and athletic training settings.
- Evaluate suitability of common exercises based on muscle action for exercise program design.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (36 semester hours)

- [BIOL250 - Human Anatomy and Physiology I](#) (4 semester hours)
- [BIOL251 - Human Anatomy and Physiology II](#) (4 semester hours)
- [PSYC460 - Sports Psychology](#)
- [SCIN131 - Introduction to Chemistry with Lab](#) (4 semester hours)
- [SPHE290 - Foundations of Sports and Health Sciences](#)
- [SPHE295 - Foundations of Nutrition](#)
- [SPHE314 - Exercise Physiology](#)
- [SPHE320 - Nutrition](#) [Prerequisite: SPHE295 - Foundations of Nutrition]
- [SPHE405 - Sports First Aid](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- [SPHE420 - Exercise Programming and Testing](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- [SPHE421 - Kinesiology](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]

Students must choose a concentration for this degree program and may select from a General Concentration, Coaching Studies, Exercise Science, or Fitness and Wellness Professional Studies Concentrations.

General Concentration Requirements (18 semester hours)

Select 6 courses from the following:

- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [MATH302 - Statistics](#)
- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PBHE315 - Health Economics and Finance](#)
- [PBHE427 - Epidemiology](#)
- [SPHE315 - Training and Conditioning](#)
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE317 - Sports Medicine](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- [SPHE318 - Coaching Theory and Methodology](#)
- [SPHE323 - Sports Conditioning](#)
- [SPHE324 - Biomechanics](#)
- [SPHE350 - Coaching Baseball Technical and Tactical Skills](#)
- [SPHE351 - Coaching Basketball Technical and Tactical Skills](#)
- [SPHE352 - Coaching Football Technical and Tactical Skills](#)
- [SPHE416 - Athletic Programs Administration](#)
- [SPHE417 - Leadership Concepts in Coaching](#)
- [SPHE425 - Therapeutic Exercise](#) [Prerequisite: SPHE317 - Sports Medicine]
- [SPHE460 - Business Aspects of Fitness and Wellness](#)
- [SPHE461 - Current Issues and Trends in Fitness and Wellness](#)

Concentration in Coaching Studies (18 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify strategies to effectively communicate athletes, fellow coaches, officials, school administrators, and parents.
- Examine methods for teaching and evaluating technical and tactical sport skills.
- Analyze and evaluate leadership strategies and apply them to coaching principles.

Concentration Requirements (18 semester hours)

- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [SPHE318 - Coaching Theory and Methodology](#)
- [SPHE323 - Sports Conditioning](#)
- [SPHE416 - Athletic Programs Administration](#)
- [SPHE417 - Leadership Concepts in Coaching](#)

And select 1 course from the following:

- [SPHE350 - Coaching Baseball Technical and Tactical Skills](#)
- [SPHE351 - Coaching Basketball Technical and Tactical Skills](#)
- [SPHE352 - Coaching Football Technical and Tactical Skills](#)

Concentration in Exercise Science (18 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Apply scientific knowledge to train athletes and clients for the primary goals of improving athletic performance and fitness.
- Apply exercise prescription principles for training variation, injury prevention, and reconditioning.
- Analyze sport movements and design movement-oriented exercise prescriptions.

Concentration Requirements (18 semester hours)

- [MATH302 - Statistics](#)
- [SPHE315 - Training and Conditioning](#)
- [SPHE317 - Sports Medicine](#) [Prerequisite: SCIN360 - Advanced Human Anatomy and Physiology]
- [SPHE323 - Sports Conditioning](#)
- [SPHE324 - Biomechanics](#)
- [SPHE425 - Therapeutic Exercise](#) [Prerequisite: SPHE317 - Sports Medicine]

Concentration in Fitness and Wellness Professional Studies (18 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the structure of healthcare financing and economic principles.
- Evaluate environmental, sociocultural, and economic factors that influence fitness and wellness professional practices throughout society.
- Integrate healthy lifestyle and behavior practices for improving overall well-being.

Concentration Requirements (18 semester hours)

- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PBHE315 - Health Economics and Finance](#)
- [PBHE427 - Epidemiology](#)
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE460 - Business Aspects of Fitness and Wellness](#)
- [SPHE461 - Current Issues and Trends in Fitness and Wellness](#)

Final Program Requirements (3 semester hours)

- [SPHE490 - Senior Seminar in Sports and Health Sciences](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (25 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Sports Management

The Sports Management degree prepares students to meet the demands of working in the sports industry through applying a variety of management, leadership, administration, and business learned competencies, skill sets, and knowledge throughout the curriculum. Students will learn to analyze, evaluate, and synthesize core issues central to sports finance, sports marketing, sports sociology, and sports ethics.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sports management, graduates in this degree program will be able to:

- Describe the impact of legal principles and considerations in sport management on the decision-making process for sport managers.
- Apply management principles, concepts, and practices associated with the operations and maintenance of sports and recreation facilities.
- Appraise sociological, historical, political, and philosophical aspects of sport.
- Examine ethical practices, procedures, and decision-making models used in sports management professions.
- Apply financial management principles and concepts to managing a sports organization and facility.
- Analyze the dimensions of specific sport marketing plans and strategies.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877• HIST111 - World Civilization before 1650• HIST112 - World Civilization since 1650• HIST121 - Western Civilization before The Thirty Years War• HIST122 - Western Civilization since The Thirty Years War• HIST221 - African-American History before 1877• HIST222 - African-American History since 1877

- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I

- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE326 - Ethics in Sports](#)
- [SPHE379 - Contemporary and Social Issues in Sport](#)
- [SPHE400 - Sports Management Foundations](#)
- [SPHE412 - Sports Finance](#)
- [SPHE413 - Sports Marketing](#)

Major Requirements (15 semester hours)

- [MKTG304 - Public Relations](#)
- [SPHE416 - Athletic Programs Administration](#)
- [SPHE430 - Sports Communication](#)
- [SPHE440 - Sports Event Management and Planning](#)
- [SPHE450 - Sports Governance](#)

Final Program Requirements (3 semester hours)

- [SPHE491 - Senior Seminar in Sports Management](#) (to be taken as the last course before graduation). [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Learning Track in Business Basics

This track seeks to provide a foundation for students who are seeking a career in the business field or are already working in business but are seeking the academic credentials to support their future career plans. This track will provide a basic understanding of key business concepts and introduce students to interrelated topics that influence business decisions and drive business operations. This track is suggested for those interested in gaining an introduction to the field of business.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ACCT105 - Accounting for Non-Accounting Majors](#)
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)

Total = 9 semester hours

Learning Track in College Readiness

This track is designed for those seeking to enroll in college for the first time or for those who have been out of school for a number of years and want to pursue a certificate or complete a program in their chosen field. The participants will have an opportunity to demonstrate, develop, and enhance writing and mathematics skills necessary to support the successful completion of subsequent college courses. This track will also prepare participants to pursue learning in the online world.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ENGL101 - Proficiency in Writing](#)
- [ENGL102 - Effectiveness in Writing](#) (Prerequisite: ENGL101 - Proficiency in Writing)

Select one course from the following:

- [MATH101 - Introduction to College Algebra](#)
- [MATH 110 - College Algebra](#)
- [MATH125 - Math for Liberal Arts Majors](#)

Total = 9 semester hours

Learning Track in Criminal Justice

This track in criminal justice seeks to expand students' academic and professional development by providing a basic foundation in criminal justice theory and concepts, while developing students' ability to grasp basic law enforcement concepts and administration matters. Participants will explore subjects in an interdisciplinary context through a social science approach involving aspects of criminology, sociology, law, and political science. Additionally, participants will investigate issues related to the collection and preservation of evidence, as well as basic crime scene investigations. This program will also focus on the laws and court decisions relating to the admissibility of evidence. The track is suggested for those interested in an introduction to the field of criminal justice.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [CMRJ100 - Introduction to Law Enforcement](#)
- [CMRJ101 - Evidence and Procedures](#)
- [CMRJ201 - Criminal Justice Administration](#)

Total = 9 semester hours

Learning Track in Economics

This track seeks to provide a foundation for students to understand how macro and micro economic events influence the business environment and how economic theory can assist in the strategic and operational functioning of businesses. This track will provide a basic understanding of key business and economic concepts and introduce students to interrelated topics that influence business decisions and drive business operations. This track is suggested for those interested in gaining an introduction to the field of economics and an understanding of how economic and business theory work together.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

Total = 9 semester hours

Learning Track in Information Security

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Information Security. Participants will explore the protection of information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation. They will also examine the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This track is suggested for those interested in an introduction to the field of Information Security.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC362 - IT Security: Attack and Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Total = 9 semester hours

Learning Track in Information Technology (IT) Project Management

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to IT Project Management. This track will provide a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's management environment. Participants will explore the planning and processes involved in an information system project including planning, scheduling, and controlling aspects of a project during its life cycle. This track is suggested for those interested in an introduction to the field of IT Project Management.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [INFO331 - Management Information Systems](#)
- [ITMG321 - Information Technology Project Management](#)
- [ITMG322 - Project Management using MS Project](#)

Total = 9 semester hours

Learning Track in Managerial Analytics

Data procurement and analysis is playing a pivotal role in business in the pursuit to operate more efficiently, perform more effectively, and create better tools for managers for decision making. This Learning Track is designed for providing information to existing managers who need to acquire skills to make more objective-based decisions in today's business environment. Students will be given operational level theoretical and applicable use of data analysis and implementation.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [BUSN250 - Analytics I](#)
- [BUSN350 - Analytics II](#)
- [BUSN450 - Applied Analytics](#)

Total = 9 semester hours

Learning Track in Microsoft Access Database

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Microsoft Access Database. This track will introduce participants to the concepts of relational databases and to the principles of relational database design in the context of the Microsoft Access Relational Database Management System (RDBMS). Participants will examine the theories and skills necessary to develop real-world databases. This track is suggested for those interested in an introduction to the field of database development.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [INFO161 - Relational Databases with MS Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with MS Access: Advanced](#)

Total = 9 semester hours

Learning Track in Professional Development for Executives/Directors

This track is designed for executives or directors who supervise senior managers, store managers, or equivalent positions managing up to one hundred billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, strategy, social responsibility and reputation, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics & compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for very senior executives or directors.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN313 - Global and Competitive Strategy](#)
- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [EVSP312 - Introduction to Sustainability](#)
- [HRMT101 - Human Relations Communication](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT314 - Management Ethics](#)
- [MKTG304 - Public Relations](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG401 - Marketing Strategy](#)
- [RLMT306 - Green Logistics Programs and Issues](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)

Total = 9 semester hours

Learning Track in Professional Development for Managers

This track is designed for store managers or equivalent positions managing up to a half billion dollars in sales per year.

Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics and compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for single store managers.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [BUSN333 - Project Management for Business Analysts](#)
- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [COMM285 - Interpersonal Communications](#)
- [HRMT101 - Human Relations Communication](#)
- [HRMT200 - Human Resource Fundamentals](#)
- [HRMT201 - Employee Training and Development](#)
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)
- [RTMG200 - Customer Relations](#)
- [RTMG202 - Risk Management](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)
- [RTMG302 - Retail Operations](#)

Total = 9 semester hours

Learning Track in Professional Development for Senior Managers

This track is designed for senior managers who supervise multiple store managers or equivalent positions managing up to ten billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, social responsibility and reputation, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics and compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for managers of multiple store managers.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [ENGL225 - Business Writing](#)
- [EVSP312 - Introduction to Sustainability](#)
- [HRMT101 - Human Relations Communication](#)
- [HRMT419 - Recruitment and Staffing](#)
- [MGMT313 - Organizational Change](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MKTG304 - Public Relations](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG401 - Marketing Strategy](#)
- [RLMT306 - Green Logistics Programs and Issues](#)
- [RTMG202 - Risk Management](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandising Operations](#)

Total = 9 semester hours

Learning Track in Visual Design

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Computer Graphics and Visual Design. This track will introduce the participant to the principles and practices of image manipulation, image enhancement, and image storage. The participant will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, brightness, contrast, image noise, noise reduction, transparency, opacity, hue, saturation, and image layering. This track is suggested for those interested in an introduction to the field of computer graphics.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [DSIN141 - Image Enhancement using Adobe Photoshop](#)
- [DSIN142 - Graphics Design and Print Media](#)
- [DSIN241 - Illustration and Design Using Adobe Illustrator](#)

Total = 9 semester hours

Learning Track in Web Development

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Web Development. This track will introduce the participant to the principles, practices, and processes for building and deploying websites on the World Wide Web (WWW). This track is suggested for those interested in an introduction to the field of Web Development.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD241 - Web Development Using JavaScript](#)
- [WEBD242 - Web Development Using XHTML](#)

Total = 9 semester hours

Undergraduate Minor - Area Studies: African Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region and allow students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)

- [HIST340 - History of Africa](#)
- [IRLS220 - African Peoples and Cultures](#)
- [IRLS322 - African Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [LITR370 - African Literature](#)

And select 1 course from the following:

- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS412 - Comparative Foreign Policy](#)

Total = 18 semester hours

Undergraduate Minor - American Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in American Military history will be able to:

- Discuss the major American wars and conflicts and their causes and results from colonial times to the present.
- Describe the major battles and campaigns of these wars and conflicts and the strategies and tactics employed.
- Express in clear terms the evolving nature of U.S. military policy and the effect of political influences.
- Evaluate the impact of war on society.

Minor Requirements (18 semester hours)

- [MILH202 - Survey of American Military History](#)

And select 5 courses from the following:

- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [MILH320 - The American Revolution](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH370 - Korean War](#)
- [MILH371 - Vietnam War](#)

Total = 18 semester hours

Undergraduate Minor - Area Studies: Asian Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• HIST370 - Asia and the Modern World• IRLS331 - Asian Politics• IRLS332 - Asian Peoples and Cultures• IRLS392 - Globalization and the Market Economy <p>And select 1 course from the following:</p> <ul style="list-style-type: none">• RELS350 - Hinduism• RELS351 - Buddhism

And select 1 course from the following:

- HIST330 - History of the Pacific Rim
- IRLS300 - Comparative Political Systems
- IRLS412 - Comparative Foreign Policy
- IRLS430 - U.S. National Security and the Pacific Basin
- PHIL310 - Studies in Chinese Thought
- PHIL311 - Studies in Japanese Thought

Total = 18 semester hours

Undergraduate Minor - Business Administration

Not open to students pursuing a major in Business Administration.

Minor Objectives:

The student who graduates with a minor in Business Administration will be able to:

- Use various data tools to collect information and develop business problem-solving competencies.
- Analyze business environments and formulate suitable strategies in the context of competitive forces and environmental factors.
- Apply theoretical techniques to analyze government, business, and consumer markets.
- Integrate market analyses and marketing information into a strategic plan.
- Describe how Management Information Systems contribute to business processes to meet current and future technological needs within the organization.
- Apply basic financial management operations to enhance business decision-making processes.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• BUSN310 - Business Theory• BUSN313 - Global and Competitive Strategy• FINC400 - Principles of Financial Management• INFO331 - Management Information Systems• MGMT310 - Principles and Theory of Management• MKTG201 - Fundamentals of Marketing

Total = 18 semester hours

Undergraduate Minor - Child Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives:

The student who graduates with a minor in Child Development will be able to:

- Assess developmental changes and processes influencing child development.
- Identify scientific approaches and the application of research and theory to working with children.
- Examine socio-cultural and historic constructs related to child development.
- Interact with culturally diverse youth in family and societal settings.
- Demonstrate critical thinking and observation skills related to the study of child development.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• EDUC111 - Observation Techniques• CHFD307 - Child and Adolescent Development• CHFD308 - Infant-Toddler Development• CHFD312 - Special Needs Students• CHFD411 - Child Psychopathology [Prerequisite: CHFD307 - Child and Adolescent Development]• PSYC101 - Introduction to Psychology

Total = 18 semester hours

Undergraduate Minor - English

Not open to students pursuing a major in English.

Minor Objectives:

The student who graduates with a minor in English will be able to:

- Demonstrate the ability to effectively express ideas and evidence in writing.
- Discuss representative literary texts and critical theory to enhance a life-long learning process.
- Analyze written materials and understand why multiple interpretations of written materials are possible and relevant in a diverse society.
- Demonstrate knowledge of the evolution of the English language and how it is used in communication, literary and non-literary.

Minor Requirements (18 semester hours)

- ENGL401 - History of the English Language
- LITR320 - American Fiction
- LITR330 - Literary Theory
- LITR402 - Shakespeare: An Author for the Ages

And select 1 course from the following:

- LITR210 - English Literature from Beowulf through the 18th Century
- LITR211 - English Literature from the 18th Century through the Present

And select 1 course from the following:

- LITR316 - British Poetry
- LITR322 - American Poetry

Total = 18 semester hours

Undergraduate Minor - Area Studies: European Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• HIST310 - History of Modern Europe• IRLS240 - European Peoples and Cultures• IRLS344 - European Politics• PHIL302 - Ancient Western Philosophy <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• HIST307 - The Age of Dictators: Europe 1914-1945• IRLS392 - Globalization and the Market Economy• IRLS412 - Comparative Foreign Policy

- [IRLS416 - The North American Treaty Organization \(NATO\)](#)
- [LITR360 - Russian Literature](#)

Total = 18 semester hours

Undergraduate Minor - Family Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives:

The student who graduates with a minor in Family Development will be able to:

- Examine theories concerning general psychology.
- Explore classic and contemporary theoretical explanations of family dynamics.
- Recognize how social forces influence family definitions, composition, and change.
- Examine trends in family formation and dissolution within the context of social change.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• CHFD225 - Introduction to the American Family• CHFD340 - Family Development• CHFD445 - Family Communication• PSYC101 - Introduction to Psychology• PSYC343 - Adult Development• SOCI421 - Sociology of the Family

Total = 18 semester hours

Undergraduate Minor - History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in History will be able to:

- Identify a broad knowledge of literature pertaining to history.
- Describe and locate the linkage between historical studies and allied disciplines.
- Compare and contrast the historical experiences that go beyond a single time period and national or cultural experience.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze history from diverse perspectives of ancient and contemporary historical cultures, nations, and regions.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• HIST300 - Research Methods in History [Required]
<p>Ancient and Classical History</p> <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• HIST301 - Ancient Greece• HIST302 - Ancient Rome• HIST303 - The Middle Ages• HIST304 - The Renaissance• HIST305 - France in the Age of Enlightenment• HIST306 - The British Empire• HIST307 - The Age of Dictators: Europe 1914-1945
<p>American History:</p> <p><i>And select 2 courses from the following</i></p> <ul style="list-style-type: none">• HIST402 - Colonial America• HIST403 - The Early Republic• HIST404 - Jacksonian America, 1815-1846• HIST405 - Antebellum America, 1846-1861• HIST406 - Civil War and Reconstruction, 1861-1877• HIST407 - The Gilded Age, 1877-1900• HIST408 - The United States: 1900 to Second World War• HIST409 - The United States: WW II to the Present
<p>Global Cultures and History</p> <p><i>And select 1 course from the following:</i></p> <ul style="list-style-type: none">• HIST310 - History of Modern Europe• HIST320 - History of Russia• HIST330 - History of the Pacific Rim• HIST340 - History of Africa• HIST350 - History of the Middle East• HIST351 - History of Iraq• HIST360 - History of Latin America

- HIST370 - Asia and the Modern World

Total = 18 semester hours

Undergraduate Minor - Intelligence Studies

Not open to students pursuing a major in Intelligence Studies.

Minor Objectives:

The student who graduates with a minor in Intelligence Studies will be able to:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement, and technical and open intelligence data sources.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

Minor Requirements (18 semester hours)

Select 4 courses from the following:

- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL301 - U.S. Intelligence Community](#)
- [INTL303 - Introduction to Intelligence](#)
- [INTL304 - Intelligence Collection](#)
- [INTL401 - Critical Analysis](#)

And select 2 courses from the following:

- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL305 - Law and Ethics in Intelligence](#)
- [INTL402 - Intelligence Analysis](#)
- [INTL410 - Counterintelligence](#)
- [INTL412 - Espionage/Counterespionage](#)
- [INTL431 - Criminal Intelligence Analysis](#)

Total = 18 semester hours

Undergraduate Minor - International Relations

Not open to students pursuing a major in International Relations.

Minor Objectives:

The student who graduates with a minor in International Relations will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Critically assess the unique principles, structure, and organization of the major international organizations.
- Assess the economic and political processes in international development; diagnose social issues in international development; appraise the need for sustainable international development.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• IRLS200 - Information Literacy and Global Citizenship• IRLS300 - Comparative Political Systems• IRLS301 - International Organizations• IRLS302 - International Development <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• IRLS310 - Introduction to Human Security• IRLS322 - African Politics• IRLS331 - Asian Politics• IRLS343 - Government and Security of Russia• IRLS344 - European Politics• IRLS355 - Latin American Politics• IRLS360 - Global Politics of Islam• IRLS392 - Globalization and the Market Economy• IRLS400 - Human Rights• IRLS405 - National and Transnational Justice• IRLS409 - Environmental Security• IRLS412 - Comparative Foreign Policy• IRLS413 - International Conflict Resolution• IRLS414 - Principles of Peacekeeping• IRLS415 - Peacekeeping Logistics• IRLS416 - The North Atlantic Treaty Organization (NATO)• IRLS417 - International Civil Order• IRLS430 - U.S. National Security and the Pacific Basin• IRLS460 - Government and Security in the Middle East• IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy• IRLS468 - Politics and Security in the Persian Gulf• WOMS319 - Transnational and Global Issues in Women's Studies

Total = 18 semester hours

Undergraduate Minor - Area Studies: Latin American Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. An Area Studies minor allows the student to concentrate on the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This will also allow the student to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• HIST360 - History of Latin America• IRLS355 - Latin American Politics• IRLS357 - Latin American Peoples and Cultures• IRLS392 - Globalization and the Market Economy• LITR355 - Latin American Literature <p><i>And select 1 course from the following:</i></p> <ul style="list-style-type: none">• IRLS300 - Comparative Political Systems

IRLS412 - Comparative Foreign Policy

- WOMS361 - History of Women in Latin America

Total = 18 semester hours

Undergraduate Minor - Management

Not available for Business Administration, Management, Sports and Health Sciences, or Transportation and Logistics Management majors.

Minor Objectives:

The student who graduates with a minor in Management will be able to:

- Relate and discuss the potential functions and applications of management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Identify and examine the needs of today's managers in assessing and implementing strategies used in the management of information technology in the workplace.
- Recognize and describe issues as they relate to organizational behavior in terms of individual, group/team, and overall organization.
- Examine and explore potential management problems and opportunities and discuss possible strategies and applications to be used in addressing such managerial concerns.
- Recognize and discuss ethical conduct and the social responsibility of business in the lives of internal and external stakeholders.
- Analyze the external and internal environmental forces affecting business organizations that affect the effectiveness of managers in today's competitive and global organizations.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• INFO331 - Management Information Systems• MGMT310 - Principles and Theory of Management• MGMT311 - Organizational Behavior• MGMT314 - Management Ethics• MGMT315 - Management Communications• MGMT410 - Strategic Management

Total = 18 semester hours

Undergraduate Minor - Marketing

Not open to students pursuing a major in Marketing.

Minor Objectives:

The student who graduates with a minor in Marketing will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management.
- Apply basic marketing principles to a particular business.
- Develop a strategic marketing plan.
- Apply various marketing strategies and techniques to align an organization's marketing function with the overall mission and strategy of the organization.
- Develop a marketing plan for a business or a department.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• MKTG201 - Fundamentals of Marketing• MKTG301 - Principles of Sales• MKTG400 - Marketing Research• MKTG401 - Marketing Strategy <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• MKTG304 - Public Relations• MKTG305 - Advertising• MKTG307 - Consumer Behavior• MKTG403 - Marketing Management

Total = 18 semester hours

Undergraduate Minor - Area Studies: Middle Eastern Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This Area Studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region and allow students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Students may apply transfer credit towards courses that count towards the minor. Many students will be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning the electives within their degree program.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• IRLS260 - Middle Eastern Culture• IRLS460 - Government and Security in the Middle East• LITR365 - Middle Eastern Literature• RELS353 - Islam <p>And select 2 courses from the following:</p> <ul style="list-style-type: none">• HIST350 - History of the Middle East

- IRLS360 - Global Politics of Islam
- IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy
- IRLS464 - Middle Eastern Political Economy
- IRLS468 - Politics and Security in the Persian Gulf
- RELS330 - Religions of the Middle East

Total = 18 semester hours

Undergraduate Minor - Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in Military History will be able to:

- Discuss the major world wars and conflicts and their causes and results from antiquity to the present.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze the historical experiences that go beyond a single time period and national or cultural experience.
- Express in clear terms the evolving nature of security issues and their effects on global stability.
- Evaluate the impact of war on society.

Minor Requirements (18 semester hours)

- [MILH201 - Introduction to Military History](#)
- [MILH202 - Survey of American Military History](#)
- [MILH221 - War from Antiquity to 1700](#)
- [MILH222 - War from 1700 to the Present](#)
- [MILH303 - Readings in Military Leadership](#)
- [MILH304 - Readings in Military Philosophy](#)

Total = 18 semester hours

Undergraduate Minor - Military Management

Not open to students pursuing a major in Military Management.

Minor Objectives:

The student who graduates with a minor in Military Management will be able to:

- Integrate the unique aspects of military operations within fundamental business concepts and principles of management.
- Apply various aspects of traditional management procedures to a military organization.
- Assess public administration issues that apply to the military as a federal institution.

Minor Requirements (18 semester hours)

- [LSTD304 - Military Law](#)
- [DEFM305 - Acquisition Business Management](#)
- [DEFM312 - Defense Budget Development and Execution](#)
- [DEFM314 - Military Logistics](#)
- [DEFM412 - Deliberate and Crisis Planning](#)
- [MGMT312 - Leadership & Motivation](#)

Total = 18 semester hours

Undergraduate Minor - Philosophy

Not open to students pursuing a major in Philosophy.

Minor Objectives:

The student who graduates with a minor in Philosophy will be able to:

- Reflect upon the love of wisdom, what inclines people to seek it, and to analyze what it is the philosopher does in the pursuit of truth.
- Analyze a variety of traditional and non-traditional ethical theories.
- Gain basic competence in the following forms of reasoning: informal logic, syllogistic logic, propositional logic, predicate logic, and inductive logic.
- Define key trends in the development of western thought.
- Interpret how Western philosophers and their ideas have shaped the development of political, social and economic systems.
- Relate current Western views of the world to their underpinnings in early writings and philosophies.
- Differentiate between the influences of ancient Judaism, Greece, Rome, and Christian thinking on Western thought.
- Analyze the differing philosophies in terms of how they conflict or complement one another.

Minor Requirements (18 semester hours)

- [PHIL101 - Introduction to Philosophy](#)
- [PHIL300 - Logic](#)
- [PHIL301 - Ethical Theory and Concepts](#)

And select 3 courses from the following:

It is recommended, although not required, that the courses be taken in sequence when scheduling allows.

- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL303 - Medieval Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Total = 18 semester hours

Undergraduate Minor - Psychology

Not open to students pursuing a major in Psychology.

Minor Objectives:

The student who graduates with a minor in Psychology will be able to:

- Discuss the history and foundation of psychology.
- Identify major theorists of developmental psychology.
- Differentiate between biological psychological conditions and personality disorders.
- Evaluate how to design, execute, analyze, and interpret psychological research.
- Explore the application of evaluation principles to developmental theories in a scientific format.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• CHFD342 - Human Life Span Development• PSYC101 - Introduction to Psychology• PSYC300 - Research Methods in Psychology• PSYC303 - Learning and Cognition• PSYC305 - History and Systems of Psychology• PSYC406 - Psychopathology

Total = 18 semester hours

Undergraduate Minor - Religion

Not open to students pursuing a major in Religion.

Minor Objectives:

The student who graduates with a minor in Religion will be able to:

- Describe and evaluate the scholarly methods used in the study of religion.
- Identify the basic concepts that make up a religious world view (e.g., creation of the world, good and evil, salvation, and suffering).
- Identify and give examples of the universal forms of religious expression (e.g., sacred places, symbols, ethics, and rituals).
- Analyze the historical development and interaction among the major world religions.
- Identify and evaluate the key beliefs and characteristics of each of the current major world religions.
- Determine and appraise the various expressions of religious life (e.g., social and political) that are evident in different societies over time.

Minor Requirements (18 semester hours)

- [PHIL410 - God and World](#)
- [RELS101 - Introduction to the Study of Religion](#)
- [RELS201 - Introduction to World Religions](#)
- [RELS202 - Religion in America](#)
- [RELS412 - Religious Fundamentalism](#)
- [SOCI420 - Sociology of Religion](#) [Prerequisite: [SOCI111 - Introduction to Sociology](#)]

Total = 18 semester hours

Undergraduate Minor - Security Management

Not open to students pursuing a major in Security Management.

Minor Objectives:

The student who graduates with a minor in Security Management will be able to:

- Evaluate security management principles including the concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Detect how a corporate security manager can effectively communicate strategic security issues and actions to other business departments and managers including drawing conclusions about assessing tangible and intangible assets.

Minor Requirements (18 semester hours)

- [SCMT370 - Principles and Theory of Security Issues](#)
- [SCMT371 - Legal and Ethical Issues in Security Management](#)
- [SCMT373 - Evaluation of Security Programs](#)
- [SCMT374 - Contemporary Issues in Security Management](#)
- [SCMT390 - Security Administration](#)
- [SCMT397 - Physical Security](#)

Total = 18 semester hours

Undergraduate Minor - Sociology

Not open to students pursuing a major in Sociology.

Minor Objectives:

The student who graduates with a minor in Sociology will be able to:

- Examine methods for conducting research in social psychology.
- Discuss applied social psychology topics such as law, business, and health.
- Identify and discuss the major social issues that influenced the development of sociological theory.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• SOCI111 - Introduction to Sociology• SOCI212 - Social Problems• SOCI213 - Society, Interaction, and the Individual• SOCI303 - Classical Sociological Theory [Prerequisite: ENGL101 - Proficiency in Writing]• SOCI331 - Research Methods for Sociology• SOCI403 - Social Change [Prerequisite: SOCI111 - Introduction to Sociology]

Total = 18 semester hours

Undergraduate Minor - Space Studies

Not open to students pursuing a major in Space Studies.

Minor Objectives:

The student who graduates with a minor in Space Studies will be able to:

- Analyze the principles of manned and unmanned flight both within and outside of the Earth’s atmosphere.
- Calculate and apply basic laws of planetary motion and gravitation including two-body mechanics.
- Describe rocket fundamentals including propellants, combustion principles, and general components.
- Describe the role(s) of key aerospace organizations in the United States.
- Evaluate the political and commercial significance of major national and international aerospace endeavors, including past, current, and planned.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• SPST300 - Introduction to Space Studies [Prerequisite: MATH111 - College Trigonometry]• SPST301 - Introduction to Space Flight• SPST302 - Comets, Asteroids, and Meteorites• SPST303 - History of Space• SPST304 - National Space Organization• SPST305 - Introduction to Orbital Mechanics

Total = 18 semester hours

Undergraduate Certificate - IT Infrastructure Security

This certificate focuses on assessing, mitigating, and managing security risks in IT infrastructures. Any undergraduate student, regardless of major, may enroll in the Certificate in Infrastructure Security. This certificate prepares the adult learner to seek entry-level career positions such as: Network Security Analyst, Network Security Manager, Network Security Assessor, and Network Security Designer. Program graduates will know how to design secure networks, develop risk mitigation plans, perform intrusion detection, and design secure networks.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Appraise the impact of operating system and network security on Information Technology Management and global ecommerce.
- Establish the need for a reference model and examine the Open Systems Interconnection (OSI) and Transmission Control Protocol/ Internet Packet (TCP/IP) reference models.
- Discuss the technical risks, performance factors and security issues related to operating system and network security on ecommerce, information technology management, and global commerce.
- Examine the principles that enable viruses, worms, and Trojan horses to propagate and proliferate throughout the system.
- Differentiate between active and passive intrusion detection and examine the scope and procedures for implementing border and firewall security.
- Appraise the process for assessing network and application security and analyze the corresponding risk mitigation strategies and techniques.
- Assess the configuration, functionality, and risks of filtering and evaluate security systems such as firewalls, border routers, switches, and intrusion detection systems sensors.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">● ISSC340 - Local Area Network Technologies [Prerequisite: MATH110 - College Algebra, or MATH111 - College Trigonometry, or MATH125 - Math for Liberal Arts Majors, or MATH225 - Calculus, or equivalent of any of these courses]● ISSC342 - Operating Systems: Hardening and Securing [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC362 - IT Security: Attack and Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC363 - IT Security: Risk Management [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC421 - Computer and Network Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC461 - IT Security: Countermeasures [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Total = 18 semester hours

Undergraduate Certificate - IT Project Management Essentials

The world of Information Technology is replete with projects that were abandoned because of runaway scope and cost. On the other hand, the trend in the world economy is shrinking budgets and shorter deadlines; all this while projects are getting more complex. This certificate focuses on meeting industry needs for IT Managers that can manage cost, time, scope, quality, risk, and people to ensure that projects come in on time and under budget. It also addresses strategic planning and business systems analysis. This certificate meets the following learning outcomes.

An undergraduate student, regardless of field of study, may enroll in the Certificate of IT Project Management. This certificate prepares an IT professional to seek higher level career positions such as: IT project manager, IT manager, e-Business project manager, Web content manager, SEO analyst, IT cost analyst, and IT planner.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Appraise the principles and practices for organizing, allocating, and managing project resources.
- Analyze the project management framework including the stakeholders, domains, phases, processes, integration, and life cycle.
- Examine the potential complexities and pitfalls in initiating and closing projects and assess methods to mitigate this risk.
- Appraise the unique challenges in managing the scope, time, and cost of IT projects.
- Assess the principles, strategies, challenges, and measures for managing quality and risk of IT projects.
- Analyze the phases, procedures, deliverables, and best practices for business systems analysis.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• INFO331 - Management Information Systems• ITMG321 - Information Technology Project Management• ITMG322 - Management using MS Project• ITMG371 - Contemporary Internet Topics• ITMG381 - Cyberlaw and Privacy in a Digital Age• ITMG421 - Virtual Management

Total = 18 semester hours

Undergraduate Certificate - Law Enforcement Leadership

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Examine management techniques, principles, philosophies which are part of organization change and transformation.
- Develop a self-assessment of one's own leadership and motivation skills, knowledge, and attitudes.
- Integrate the principles used in formulating and executing a strategic plan.
- Evaluate the historical and current state of employment relations theory.
- Analyze the four phases of the budget cycle.
- Critique the concepts, skills, theories and techniques involving human resource management and HR practices in the workplace.

Certificate Requirements (18 semester hours)

- [CMRJ345 - Organizational Behavior in Law Enforcement](#)
- [CMRJ346 - Conflict Resolution Within Police Departments](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)

And select 2 courses from the following:

- [FINC405 - Budget Development and Execution](#)
- [HRMT407- Human Resource Management](#)
- [HRMT413 - Employment and Labor Relations](#)
- [MGMT414 - Strategic Planning](#)

Total = 18 semester hours

Undergraduate Certificate - Meeting and Event Planning

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.
- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• HOSP100 - Introduction to Hospitality Management• HOSP308 - Meeting and Convention Planning• HOSP309 - Convention Sales and Services• HOSP320 - Business and Conference Hospitality Management• HOSP410 - Advanced Tourism and Hospitality Management• HOSP415 - Destinations and Cultures

Total = 18 semester hours

Undergraduate Certificate - Microsoft Access Database Applications

The Certificate in Microsoft Access Database Programming provides students with the theories and skills necessary to develop databases. This certificate prepares adult learners to seek entry-level career positions such as: Database Developer, Database Analyst, Database Designer, Database Specialist, and Microsoft Access Developer. Students will develop entity relationship diagrams, perform data modeling, design databases, normalize table structures, develop effective graphical user interfaces (GUI), and interact with the database using ANSI standard SQL.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Differentiate between the hierarchical, network, relational, and object-relational database models; and demonstrate the need for procedural language facilities in the world of American National Standards Institute (ANSI) standard SQL.
- Examine the process for developing entity diagrams, designing databases, developing database applications, managing databases, implementing data integrity, assuring information, and implementing transaction processing.
- Assess the impact and issues related to relational databases, entity diagrams, and PL/SQL on Information Technology Management, enterprise applications, and global e-commerce.
- Analyze the need, objective, and principles of normalization to engineer and design databases.
- Evaluate the concepts and principles of integrity (including referential integrity and transactional integrity) in the context of relational database design.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• INFO111 - Enterprise Data Presentation with Crystal Reports [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, or INFO171 - Relational Databases with Oracle: SQL Introduction, or INFO221 - Relational Database Concepts]• INFO161 - Relational Databases with Microsoft Access: Introduction• INFO221 - Relational Database Concepts• INFO261 - Relational Databases with Microsoft Access: Advanced [Prerequisite: INFO161 - Relational Databases with MS Access: Introduction]• INFO262 - Relational Databases with Microsoft Access: Project [Prerequisite: INFO221 - Relational Database Concepts and INFO261 - Relational Databases with MS Access: Advanced]• INFO331 - Management Information Systems

Total = 18 semester hours

Undergraduate Certificate - Microsoft Office Applications

This certificate is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the word processing, spreadsheet, presentation, and communications applications in the Microsoft Office Suite. These courses use the Microsoft Official Academic Course curriculum that is aligned with Microsoft's Exam 77-881: Using Microsoft Office Word 2010, Exam 77- 882: Using Microsoft Office Excel 2010, Exam 77- 883: Using Microsoft Office PowerPoint 2010, and Exam 77-884: Using Microsoft Office Outlook 2010. The books meet the topical requirements for the *Microsoft Office Specialist (MOS)*: Microsoft Office Word 2010 certification, Microsoft Office Excel 2010 certification, Microsoft Office PowerPoint 2010 certification, and Microsoft Office Outlook 2010 certification. This certificate also examines Internet concepts and emerging technologies such as Web 2.0. An undergraduate student, regardless of field of study, may enroll in this certificate.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Appraise the impact of the Microsoft Application Suite on IT Management as it applies to office productivity, collaboration, and security.
- Examine and use productivity software such as Microsoft Word to create lists, themes, mail merges, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies.
- Evaluate and use productivity software such as Microsoft Excel to create and format spreadsheets, manipulate data, and use formulas, charts, conditional logic, graphics, and security features.
- Examine the functionality of productivity software such as Microsoft PowerPoint to set up presentations, transitions, animations, and timing.
- Assess the functionalities of Microsoft Access Relational Database Management System (RDBMS to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation.
- Appraise the use of productivity software such as Microsoft Outlook to follow up, categorize, set up rules, and program alerts.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• INFO161 - Relational Databases with MS Access: Introduction• ITCC111 - Basic Productivity Applications• ITCC112 - Advanced Productivity Applications• ITCC113 - Office Presentation Applications• ITCC114 - Office Communications Applications• ITCC200 - Application Software Integration

Total = 18 semester hours

Undergraduate Certificate - Military Leadership Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify what it means to be a soldier and leader in today's military.
- Describe how small unit leadership is distinct from leadership in other organizations.
- Define the major principles of enlisted military leadership.
- Discuss the enlisted structure and organization of the U.S. military.
- Explain the nature of military ethics in the U.S. military.

Certificate Requirements (18 semester hours)

- [MILH303 - Readings in Military Leadership](#)
- [MILS110 - Introduction to Military Leadership](#)
- [MILS120 - Small Unit Leadership](#)
- [MILS121 - The Military Soldier](#)
- [MILS122 - Enlisted Leadership](#)
- [MILS250 - Military Ethics](#)

Total = 18 semester hours

Undergraduate Certificate - Mobile Computing

This certificate will broaden the cope of understanding mobile computing for information technology students interested in embarking upon this new technology and pursuing an associate or bachelor's degree. Mobile computing is now one of the leading trends in technology that is influencing the use of mobile devices and the investment in corporate spending. Research firm Gartner notes mobile applications and technologies are expected to increase and affect corporate strategies. Additionally, as mobile computing becomes more appealing for users, the design and development of application software to support mobile and smart devices such as Blackberry, iPhones, iPads, and Droid become more attractive and financially rewarding. This certificate will help students stay current and remain employable in today's information age.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Explain the evolution of mobile computing.
- Summarize the social and economic influences of mobile computing.
- Explore guidelines and techniques associated with mobile application design, development, and deployment.
- Analyze, design, develop, write, test and deploy mobile applications into the target platform environment.
- Assess the benefits of designing and developing mobile application software to promote mobile computing for Droid, Blackberry, iPhone and iPad.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD211 - Introduction to Software Design• ENTD313 - Mobile Application Design and Development• ENTD322 - Application Development for the Droid [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD333 - Application Development for the iPhone and iPad [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENGR200 - Introduction to Engineering and Computing (for engineering majors)]• ENTD413 - Advanced Mobile Application Design and Development• ENTD465 - Application Development for Windows Mobile Operating System [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Total = 18 semester hours

Undergraduate Certificate - Paralegal Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Apply legal research methods and techniques that are used in the practice of law.
- Develop skills in legal reasoning, identifying and effectively using legal resources, and writing legal documents.
- Evaluate the importance of secondary sources in legal research.
- Describe the primary rules and sources and roles of each in legal research.
- Distinguish how advice, persuasion, and advocacy enter into legal research.
- Demonstrate knowledge of the nature and function of the law and the application of critical thinking and analytical skills.
- Comprehend and describe what a paralegal is and how one fits into the legal system.

Certificate Requirements (24 semester hours)

- [LSTD100 - Introduction to Law for Paralegals](#)
- [LSTD201 - Litigation](#)
- [LSTD202 - Real Estate Law](#)
- [LSTD203 - Criminal Law and Procedure for the Paralegal](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD207 - Civil Practice and Procedure](#)
- [LSTD210 - Legal Ethics](#)
- [LSTD300 - Administrative Law and Policy](#)

Total = 24 semester hours

Undergraduate Certificate - Public Lands Management

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- List the federal, state, and local agencies that manage public lands in the U.S.
- Explain the regulatory, policy, and political influences on public lands management.
- Develop management strategies for the management of public lands that balance competing needs and uses.
- Describe the techniques and strategies used to manage fish and wildlife resources on public lands.
- Evaluate land use, development, and management plans within and adjacent to public lands.
- Assess the current status of public lands and its contribution to the social and environmental sustainability of the U.S.

Certificate Requirements (18 semester hours)

- [EVSP316 - U.S. Federal Environmental Organizations](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP330 - Fish and Wildlife Policies, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP411 - Environmental Regulation, Policy and Law](#)

Total = 18 semester hours

Undergraduate Certificate - Real Estate Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Develop a foundational knowledge of management, development, and financing of real estate.
- Discuss the foundations of real property value and review the elements of the appraisal process – from the value definition to reconciliation and conclusion.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• BUSN120 - Real Estate Principles• BUSN121 - Real Estate Practice• BUSN220 - Real Estate Finance• BUSN221 - Real Estate Appraisal• BUSN222 - Real Estate Property Management• LSTD202 - Real Estate Law

Total = 18 semester hours

Undergraduate Certificate - Regional and Community Planning

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Identify critical issues in landscape level planning and development that affect regional and local environmental planners and assess their implications on the environment and quality of life for the citizenry.
- Assess the resource needs (energy, water resources, sustainability, greenspace, etc.) of a population and develop strategies for meeting them.
- Describe innovative approaches, alternative actions, and strategic planning efforts needed to resolve complex, landscape-level land use planning problems and meet the needs of multiple and varied stakeholders.
- Assess leading trends and challenges in the fields of Local and Regional Planning, Landscape-level Planning, and Environmental Assessment and Impact.
- Describe current and emerging technologies in sustainable land use planning and energy development and discuss appropriate applications.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• EDMG259 - Hazard Mitigation and Preparedness• EVSP312 - Introduction to Sustainability• EVSP320 - Energy and Resource Sustainability• EVSP321 - Land Use and Planning• EVSP322 - Remote Sensing and Geographic Information Systems• EVSP415 - Environmental Impact Assessment

Total = 18 semester hours

Undergraduate Certificate - Restaurant Operations

Restaurant Operations is a flexible program that explores the essentials of front-office and behind-the-scenes operations related to foodservice management. Using relevant theory and concepts, students examine current managerial techniques and tools to effectively operate a wide variety of restaurants. Students also explore fundamentals of cost controls in foodservice and beverage operations, quantity food preparation and sanitation, purchasing, legal issues, and how to interpret industry financial indicators. This certificate would be a good addition to a business or management degree.

Certificate Objectives

Upon completion of this certificate, the student will be able to:

- Apply proper food safety and sanitation procedures to meet industry standards and governmental regulations.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Practice current managerial techniques and trends to support the goals of a restaurant.
- Interpret financial data as it relates to an operation's goals.

Certificate Requirements (18 semester hours)

- [HOSP100 - Introduction to Hospitality Management](#) (required as the first course in this program)

Select 5 courses from the following:

- [HOSP101 - Foodservice Sanitation](#)
- [HOSP200 - Food and Beverage Management](#)
- [HOSP201 - Restaurant Operations Management](#)
- [HOSP202 - Quantity Food Preparation](#)
- [HOSP203 - Hotel & Restaurant Purchasing](#)
- [HOSP204 - Introduction to Hotel and Restaurant Law](#)
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP200 - Food and Beverage Management]
- [HOSP400 - Quality Service Management](#)

Total = 18 semester hours

Undergraduate Certificate - Retail Management

The Undergraduate Certificate in Retail Management serves to generate interest in the retail management professional field while enhancing those already within the discipline, preparing graduates to pursue career opportunities in retail management field. This certificate will provide the basic skills needed to update and/or broaden the knowledge of employees in the dynamic and fast growing retail industry. This certificate will provide critical knowledge necessary in today's competitive retail market and will assist in transitioning into the management field of retailing. By developing management skills directly related to the retail industry, this certificate is designed for students who wish to develop the skills necessary to become future successful retail managers and continue their educational pathway to a Retail Management Degree.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Define the basics of retail management functions/principles and explore ideal characteristics of a good manager.
- Define the basics of customer relations functions/principles and explore ideal characteristics of good customer relations as applied to individuals in both small/large organizations.
- Describe the importance of retail inventory management knowledge when viewing fundamental organizational requirements, recognize retail inventory skills required of managers, understand competitive dimensions, and describe how productivity is measured.
- Identify the goals of financial management and retail financial strategy.
- Decipher risk management planning and its use, how risk management tenets can be applied to the Manager role, and how to implement a policy and evaluate compliance.
- Identify various challenges that face retail leaders in both the private and public sector, understand commercial safety issue, and identify how to create/maintain a safe work environment.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• RTMG150 - Retail Organization Fundamentals (students taking this course cannot also take MGMT201 - Organizational Fundamentals)• RTMG200 - Customer Relations• RTMG201 - Retail Inventory Management• RTMG202 - Risk Management• RTMG203 - Commercial Safety• RTMG204 - Finance Fundamentals

Total = 18 semester hours

Undergraduate Certificate - Security Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Demonstrate knowledge of the basic terms in security management and its theories.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Explain the basic procedures and rules of personnel security and the specialized terms associated with information security.
- Draw conclusions about the role a security leadership has in establishing the foundation of private security programs.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Evaluate and use a methodology of quality assurance including the merits of a performance-based standards approach towards total asset protection.
- Draw conclusions about a value added contribution in the world of tangible and intangible assets.
- Detect how corporate security managers can effectively communicate strategic security issues and actions to other business departments and managers.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• SCMT370 - Principles and Theory of Security Issues• SCMT371 - Legal and Ethical Issues in Security Management• SCMT373 - Evaluation of Security Programs• SCMT374 - Contemporary Issues in Security Management• SCMT390 - Security Administration• SCMT397 - Physical Security

Total = 18 semester hours

Undergraduate Certificate - Space Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Discuss, describe, and distinguish between the characteristics of each planet in our solar system.
- Describe rocket fundamentals including propellants, combustion principles and general components.
- Analyze the principles of manned and unmanned flight, both within and outside of Earth’s atmosphere.

Certificate Requirements (19 semester hours)
<ul style="list-style-type: none">• SCIN134 - Introduction to Astronomy with Lab• SPST300 - Introduction to Space Studies• SPST301 - Introduction to Space Flight• SPST302 - Comets, Asteroids, and Meteorites• SPST303 - History of Space• SPST305 - Introduction to Orbital Mechanics

Total = 19 semester hours

Undergraduate Certificate - Strategic Leadership

This certificate is designed to provide students the opportunity to develop the skill set needed to influence and persuade the workforce to become productive and efficient as it relates to the growth of the organization. The topics of study include leadership, motivation, performance management, information systems, organizational change, and staffing.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Construct a strategic plan of staffing requirements for a new initiative that an organization has undertaken.
- Prepare a performance management appraisal for a direct report.
- Produce an icebreaker that can be introduced at a departmental meeting in an effort to promote unity among the team and establish a healthy culture in the work environment.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• HRMT415 - Human Resource Information Management Systems• HRMT419 - Recruitment and Staffing• HRMT430 - Performance Management• MGMT312 - Leadership and Motivation• MGMT313 - Organizational Change• MGMT410 - Strategic Management

Total = 18 semester hours

Undergraduate Certificate - Sustainability

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Explain the foundational principles of resource and energy sustainability.
- List current and emerging renewable energy technologies.
- Explain society's dependence on fossil fuel and traditional energy sources.
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services.
- Apply the principles of sustainability to land use and development planning.
- Assess the impact of green infrastructure and sustainable design on global resource sustainability.

Certificate Requirements (18 semester hours)

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP418 - Green Infrastructure and Renewable Technologies](#)
- [EVSP421 - Water Resources Management](#)

Total = 18 semester hours

Undergraduate Certificate - Terrorism Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Investigate the causes and support mechanisms of international and domestic terrorism.
- Examine the history of terrorism and its fundamental variations: domestic; trans-national; state-conducted; state-aided, and independent.
- Employ indication and warning and predictive intelligence methods to forecast pending terrorist attacks.

Certificate Requirements (18 semester hours)

Select 6 courses from the following:

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [INTL440 - Cyber Warfare](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [INTL453 - Illicit Finance](#)
- [INTL454 - Forecasting Terrorism](#)

Total = 18 semester hours

Undergraduate Certificate - United Nations

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Comprehend the theory and politics of conflict, war, mediation, and diplomatic negotiations.
- Evaluate the potential for conflict in a country or region.
- Assess the rationale for negotiation and the lifecycle of a conflict situation.
- Explain the various approaches toward United Nations peace operations
- Evaluate the development of multiparty mediation and assess the benefits and drawbacks of such an approach.
- Analyze the complexity and limitations of negotiating across cultures and diverse groups.
- Describe the distinct nature of conflict in the post-Cold War era.

Certificate Requirements (24 semester hours)

Select 8 courses from the following:

- [IRLS210 - International Relations I](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS415 - Peacekeeping Logistics](#)
- [IRLS417 - International Civil Order](#)
- [LSTD306 - International Law](#)
- [MILH421 - History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988-Present](#)

Total = 24 semester hours

Undergraduate Certificate - Visual Basic Application Development

The Visual Basic Application Development Certificate focuses on the principles and practices necessary to design, develop, and deploy Web applications using the Visual Basic interactive development environment (IDE). Graduates will be able to build real-world Visual Basic applications based on the knowledge and skills gained in the program. This program prepares the adult learner to seek entry-level career positions such as web database developer, visual basic developer, and .NET developer. Graduates will be able to apply and use Object Oriented Programming (OOP) and Visual Basic to develop Web applications. Prior experience with object-oriented software development is strongly recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Discuss the impact of the .NET framework on IT Management, Security, and Global Economies as it applies to enterprise ecommerce solutions on the Web.
- Explore and analyze the hierarchy of the Framework Class Libraries (FCL); use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, the life cycle, management issues, and process for developing Visual Basic and ASP Web applications.
- Differentiate between traditional programming and event-driven programming and also between traditional programming and object oriented programming (OOP); examine the application of OOP in the Visual Basic IDE.
- Appraise the features, functionality, power, and advantages of Visual Basic.NET that have made it a viable tool for Web site design, development, deployment, and management.
- Analyze the ASP.NET facilities to establish and maintain state between connections within the context of the stateless and connectionless HTTP protocol.
- Assess the provisions in VB.NET for performing component-based programming, exception handling, and interface-based programming; also assess their impact on IT Management.
- Discuss the architecture, advantages, and functionality of both ADO.NET and the Active-X component architecture; also explain the concept of connection pooling.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD361 - Enterprise Development Using VB.NET: Introduction [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD461 - Enterprise Development Using VB.NET: Advanced [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD462 - Enterprise Development Using ASP.NET [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• WEBD241 - Web Development using JavaScript• WEBD242 - Web Development using XHTML

Total = 18 semester hours

Undergraduate Certificate - Visual Communications

Graphics are valuable tools for communication in Internet applications. This Visual Communications Certificate introduces the student to the principles and practices of image manipulation, image enhancement, and image storage. The student will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, the impact of image size and resolution on screen size and resolution, brightness, contrast, image noise, noise reduction, digital signal processing (blurring, de-blurring, Gaussian filters, sharpening, softening, spot healing, dodging, burning), transparency, opacity, hue, saturation, image layering, color blending (multiplying, dodging), image transformation (rotation, resizing, shearing), selections (pixel, vector), alpha channels, and image modes (grayscale, RGB, CMYK, HSB, indexed color). This certificate also examines the process of designing, developing, and deploying text and graphics in motion to create a dynamic and interactive experience for the Web user. Students will develop storyboards, perform interaction design, animate type, and set illustrations in motion. Students will examine and apply the theories and concepts behind developing illustrations, character animations, layers, frames, masks, symbols, libraries, motion tweens, shape tweens, nested objects, and animated shows. They will add audio and video to enhance the quality of the visual experience. Prior experience with using graphics software and with scripting languages such as JavaScript is recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Discuss the purpose and usage of smart objects, layers and vectors in editing, also differentiate between a raster image and a vector image; also detail the layer concepts of hiding, linking, and setting layer styles.
- Detail the capabilities of Adobe Photoshop as a tool for editing and restoring digital images; also describe the process for enhance digital images by manipulating sharpness, color, contrast, hue, brightness and resolution.
- Appraise the principles and concepts of effective design for organizing information, performing site design, and determining the navigation structure.
- Assess the principles for designing Web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Compare and contrast the various image file formats on the Web, including GIF, JPG, PNG, and SVG.
- Assess the utility of Adobe Flash technology in streaming animations on Web sites; also assess the use of tweens, anchors, guides, and onions skins to develop Web animations.

Certificate Requirements (18 semester hours)

- [DSIN121 - Web Page and Web Site Design](#)
- [DSIN141 - Image Enhancement using Adobe Photoshop](#)
- [DSIN241 - Illustration and Design Studio using Adobe Illustrator](#)
- [DSIN242 - Motion Graphics using Adobe Flash](#)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD220 - Web 2.0 Fundamentals](#)

Total = 18 semester hours

Undergraduate Certificate - Weapons of Mass Destruction Preparedness

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Describe the threat posed to society by chemical, biologic, radiological and nuclear (CBRN) weapons.
- Name the state and non-state actors most likely to obtain weapons of mass destruction.
- Identify the motivation, ease and constraints on both state and non-state actors in acquiring CBRN weapons.
- Describe countermeasures available to US agencies fighting terrorism.
- Determine the role of the federal government in disaster response.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• HLSS154 - Mind of a Terrorist• HLSS212 - Chemical, Biological, and Radiological Hazards• HLSS215 - Regulatory Issues in Weapons of Mass Destruction• HLSS302 - Introduction to Homeland Security and Defense• HLSS305 - Private Sector Homeland Security• HLSS312 - Port Security

Total = 18 semester hours

Undergraduate Certificate - Web 2.0

This certificate provides an introduction to Web 2.0 trends and technologies. Students will profile the various features, tools, communities, and practices available in Web 2.0. Also included is a survey of the concepts, tools and practices used to build blogs and wikis. The certificate also reviews the various methods of posting information from the blog into web pages using RSS and Atom techniques. Students will also appraise other Web 2.0 technologies such as forums, collaborative Web sites, discussion boards and wikis. Students will apply the knowledge gained in this certificate to design and create blogs and forums. Topics include Web 2.0 management, marketing, branding, psychological factors, sociological aspects, customer social networking, community building, relationship management, and organizational impact. Prior experience with scripting languages such as JavaScript is recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web; also differentiate between the technologies, practices, and management issues in Web 1.0 and Web 2.0.
- Appraise the trends and the potential of Web 2.0.
- Profile the tools for building blogs, wikis, forums, discussion boards, and other Web 2.0 technologies.
- Design blogs using Web 2.0 tools for blogging, photo sharing, and social networking.
- Evaluate the principles and practices to manage the users of Web 2.0 tools and technologies.
- Analyze social networking and examine its impact on business processes and relationships.
- Assess the psychological and sociological aspects of Web 2.0.
- Appraise marketing and branding concepts in relation to Web 2.0.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• DSIN121 - Web Page & Web Site Design• WEBD121 - Web Development Fundamentals• WEBD220 - Web 2.0 Fundamentals• WEBD241 - Web Development using JavaScript• WEBD242 - Web Development using XHTML• WEBD324 - Web Content Management Systems

Total = 18 semester hours

Undergraduate Certificate - Web Publishing

This certificate provides an understanding of the process for building and deploying websites on the World Wide Web. This program prepares adult learners to seek entry-level career positions such as Web Publisher, JavaScript Developer, FrontPage Developer, Flash Animator, Flash Developer, Web Page Developer, Web Site Developer, and Web Master. Graduates will be able to apply and use the Document Object Models (DOM) in JavaScript, XML, and DHTML. Any undergraduate student, regardless of major, may take the following courses to complete a Certificate in Web Publishing.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Describe the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Appraise the process for setting up a web site and establish criteria to evaluate and select a Web Presence Provider (Internet Service Provider (ISP) to host the web site and provide the services required.
- Evaluate the impact of JavaScript, XHTML, DHTML, and FrontPage on Information Technology Management and on the evolution of the Web.
- Examine the use of Cascading Style Sheets (CSS) to develop a portable format for standardizing the look and feel across multiple web pages and browsers.
- Analyze the process for designing, developing, and deploying websites using JavaScript, XHTML, DHTML, and FrontPage (an integrated Development environment); apply this knowledge to design, develop, and deploy a multi-page web site.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• DSIN121 - Web Page & Web Site Design• WEBD121 - Web Development Fundamentals• WEBD241 - Web Development using JavaScript• WEBD242 - Web Development using XHTML• WEBD262 - Web Development using DreamWeaver• WEBD311 - Internet Concepts

Total = 18 semester hours

Undergraduate Certificate - Cloud Computing

Cloud computing is now one of the leading trends in technology that is influencing the use of computing platforms. The student will be able to comprehend cloud computing with respect to next-generation Service-Oriented strategies to provide measurable on-demand self-services with broad network access, resource pooling, and rapid elasticity, all while optimizing performance and reliability. Cloud-based such services include public IaaS (Infrastructure-as-a-Service), PaaS (Platform-as-a-Service), and SaaS (Software-as-a-Service). These three segments define the manner in which the cloud operates.

In April 2009 the US Government launched a summit on Cloud Computing. This embarked an initiative to utilize already available resources to interconnect and provide services on demand without the need for allocating funds for new infrastructure, platform, software, and equipment to provide functionality otherwise hard to attain for the require time specified. Implementation of this initiative supports Green IT Computing, as less hardware and software are utilized – the manufacturing, storage, implementation, and disposal of which contributes lower carbon footprint, hence supporting environmental efforts for a greener planet.

A recent global study shows that the cloud is rapidly maturing, gaining widespread adoption with customers willing to store significant amounts of data in the cloud. It was found that 70 percent of organizations worldwide are either using or evaluating cloud computing today and 63 percent of organizations using cloud estimate store more than \$250,000 worth of data in the cloud.

Related issues such as security, governance and compliance continue to be top of mind among enterprise customers. Moreover, cloud computing gives solutions to the difficulty of migrating certain legacy applications. Many existing software solutions are simply not designed for cloud computing and must be re-architected from the ground up. Finally, the cost of exit is a barrier for many businesses. They are reluctant to engage with a specific cloud provider until they have a solid understanding of how they can change to another provider if needed, and all associated costs involved. There is still a great deal of confusion here.

Virtualization platforms like all software have vulnerability flaws. Major providers for virtualization platforms such as Microsoft, VMWare, and Xen by Citrix, provide secure data centers on platforms that could still be vulnerable to threats. However, because of the nature of virtualization infrastructure the strategy for planning to secure these vulnerabilities are fairly well rated. Areas where security needs can be explored are in the following sections: hypervisor security, host and platform security, securing communications, security between guests and virtual users, and security between host and guests.

Cloud security standards that basically create a security interface standard for cloud security APIs are fortunately all in very few domains to tackle. While communications is the primary module for interoperability with other domains, it nevertheless does not solve certain vulnerabilities through which threats can become multi-dimensional attacks.

Moreover, the increase of shared resources gives rise to privacy issues both of the providers and of the consumers. Data and files stored on the cloud, services provided by the cloud, what insures privacy regulations are maintained? Privacy concerns, disclosure whether accidental or deliberate, data mining efforts – again whether beneficial or malignant, encryption/decryption rules applied on data and files, all result in a requirement for effective regulatory bodies such as the Data Protection Act (DPA) to be placed on the cloud. The Electronic Privacy Information Center (EPIC) released that the National Institute for Standards and Technology (NIST) has announced Guidelines on Security and Privacy in Public Cloud Computing and the NIST Definition of Cloud Computing. The Department of Homeland Security has also released in its Privacy Office 2010 Annual Report on the need for Cybersecurity on Cloud Computing. Finally, the Federal Trade Commission (FTC) is also acknowledging and raising awareness for privacy and security concerns on cloud computing.

These issues lead to positions in Cloud Security and Privacy, which entails Data Security Personnel and Auditing. As for the development and continued growth of Cloud Computing, the following careers are now available: Cloud Computing Architect – responsible for recommending and designing key security and privacy components, Cloud Computing Software Engineer – responsible for creation of a next generation cloud computing architecture, ITIL Delivery Manager – responsible for executing the strategic business plan while leading the delivery team to support Cloud customers, Cloud Linux Engineer – responsible for

implementing rapid cloud scaling technologies, and Cloud/Hosting Architect – hands-on experience with VMWare, storage, servers, routing/switching, and security.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Cloud Computing. This Certificate program will also help prepare the next generation of green IT professionals to enable their organizations lead the way in helping deliver an organization's green credentials. The prepared the student may seek entry to mid-level career positions such as, any job involved in procurement, provision, support, and delivery of Information Technology, including, but not limited to: Data Center Managers, Network Administrators, Network Engineers, Solutions Architects, Hardware Engineers; anyone with an interest in how IT can assist an individual or organization reduce their carbon emissions and output, individuals who have the responsibility of delivering an organization's green initiatives, IT or otherwise.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Demonstrate a thorough comprehension of the key principles of cloud computing and the security and privacy involved with this emerging technology.
- Examine Service-Oriented Architecture (SOA) and convert logical designs into services that can be implemented in today's Cloud environments.
- Assess, evaluate, and apply the necessary tools to analyze an organization's assets and verify if the cloud security and privacy implications are justifiable in implementing Cloud Computing
- Employ the appropriate resources to model service specifications and service contracts to perform service orchestration.
- Demonstrate effective decision making and management techniques to support the organization's objective of growth while putting best practices into place.
- Apply best practices for the next generation IT professional through continuous awareness for the environmental impact when developing and implementing IT systems and reap the business benefits of adopting a Green IT strategy.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC326 - Cloud Computing• ISSC345 - Service-Oriented Architecture• ISSC386 - Green Computing: Foundations and Strategies• ISSC387 - Green Computing: Advanced Topics• ISSC424 - Virtualization Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC426 - Cloud Security & Privacy [Prerequisite: ISSC326 - Cloud Computing]

Total = 18 semester hours

Undergraduate Certificate - Computer Systems and Networks

This certificate prepares the student to become a competent computer network professional in managing, maintaining, troubleshooting, installing, and configuring basic network infrastructures. Courses in this certificate program are aligned with the requirements of A+ and Network+ Certification. An undergraduate student, regardless of field of study, may enroll in the Certificate of Computer Systems and Networks.

This certificate prepares an Information Technology (IT) professional to seek entry-level career positions in administration, development, and integration such as: Help Desk Support Analyst, Network Administrator, Network Engineer, PC Specialist, and Systems Analyst. Program graduates will possess the right skills to design and administer networks; build, repair, and troubleshoot PCs, networks, and peripherals; and head help desk and client support.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Evaluate CPU architectures.
- Evaluate the organization of the motherboard and the processes for monitoring and managing Windows client operating systems.
- Appraise memory subsystems and bus architectures in computer systems.
- Analyze the formatting, protocols, and latency of storage subsystems.
- Examine the component architecture of notebook computers.
- Appraise the directory, file, registry, and event management systems and the methods to mitigate risk by minimizing the exposure of information and by improving access control.
- Investigate the processes for analyzing problems, synthesizing solutions, tracking progress, and managing customer relationships related to computer hardware systems.
- Investigate the process to configure Local Area Networks (LAN) and to optimize the utilization of memory, storage, and CPU resources.
- Assess the methodology to harden and secure operating systems and computer information.
- Analyze the layers of the Open Systems Interconnect (OSI) reference model, wireless and mobile networks, and multimedia networking, security in computer networks, and network management.
- Appraise the impact of computer systems and networks on global commerce and analyze the related societal, legal, and economic issues.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC321 - Computer Systems Organization: Intermediate• ISSC322 - Computer Systems Organization: Advanced [Prerequisite: ISSC321 - Computer Systems Organization: Intermediate]• ISSC323 - Computer Hardware Systems• ISSC340 - Local Area Network Technologies• ISSC341 - Introduction to Networking• ISSC441 - Network Telecommunication Concepts

Total = 18 semester hours

Undergraduate Certificate - Corrections Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Analyze the history of the American Penal System and examine the philosophies and laws of punishment and sentencing.
- Analyze key Supreme Court case decisions specifically pertaining to the constitutional rights of those incarcerated in an American correctional facility.
- Use various research methodologies to obtain comprehension of research applications and explain the relationship between two or more variables relating to a varied range of theoretical explanations for crime and criminality.
- Assess various correctional treatment strategies employed in correctional facilities as well as the impact of these strategies on the administrators of the facilities to comply with a variety of governmental agencies and their mandated requirements pertaining to specific inmate special population groups.
- Assess the roles of probation and parole officials and the interrelationship with the correctional programs.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• CMRJ201 - Criminal Justice Administration• CMRJ202 - Stress Management in Law Enforcement• CMRJ308 - Ethics in Criminal Justice• CMRJ314 - Contemporary Criminal Justice Issues• CMRJ316 - Corrections and Incarceration• CMRJ317 - Probation and Parole

Total = 18 semester hours

Undergraduate Certificate - Counterintelligence

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Acquire in-depth knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.
- Assess the different operational styles used throughout both the Counterintelligence and Intelligence analysis communities.

Certificate Requirements (18 semester hours)

- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)

And select 3 courses from the following:

- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL415 - Covert Action](#)

Total = 18 semester hours

Undergraduate Certificate - Cybercrime Essentials

The rapid change in technology and the exponential growth in the use of the Internet have resulted in an increase in the number of computer- and technology-related crimes. The explosion in the use of the Internet and the ensuing growth in cybercrime have given rise to the field of digital forensics. Digital forensics is used to assemble digital evidence to prosecute cybercrime, analyze intrusions, mitigate risk, and for data recovery. This certificate provides students with the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes, examines the theory, best practices, and methodologies to conduct computer forensics investigations. An undergraduate student, regardless of field of study, may enroll in the Certificate of Cybercrime Essentials.

This certificate prepares the student to seek entry to mid-level career positions such as: Cyber Investigations Analyst, Computer/Digital Forensics Analyst, Security Analyst, Security Investigation Specialist, Investigative Specialist for the Justice Department, Evidence Analyst, Forensics Systems Analyst, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Computer Forensics Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know the selection and use of various tools, techniques, and methods specific to cyber analysts to detect, recognize, document, certify, and verify cybercrime, cyber terrorism, cyberwar, cyberstalking, and cyberbullying. This certificate also maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Appraise the rudiments of cybercrime and computer forensics. Profile the challenges of securing information on the Internet.
- Assess the process, the techniques, and technologies used by hackers to gain unauthorized access to information systems.
- Examine the processes, best practices, and techniques to manage and prevent cybercrime.
- Inspect the strategies and steps to investigate digital evidence in cybercrime. Construct the legal portfolio of digital evidence to support the prosecution of cybercrime.
- Examine the file structures, formats and technical protocols in storage subsystems encountered in gathering digital evidence.
- Develop a plan to analyze the processes and practices to seize and secure digital evidence at a crime scene and to collect evidence in both the private and public sectors.
- Analyze the steps and process used to identify, secure, catalog, and store digital evidence.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC351 - Computer Forensics [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC361 - Information Assurance [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC422 - Information Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC451 - Cybercrime [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]• ITMG371 - Contemporary Internet Topics• ITMG381 - Cyberlaw and Privacy in a Digital Age

Total = 18 semester hours

Undergraduate Certificate - Cybersecurity

Computers and the Internet have become an integral part of conducting business for companies, organizations and the government. Cybersecurity experts are needed to keep systems and sensitive information secure and out of the hands of cyber criminals. Jobs in both the public and private sector are needed due to the growing dependence of most businesses on information technology. The below attacks which happened in the past few days will show the drastic need for Cybersecurity professionals:

CNN – June 1, 2011 – MASSIVE GMAIL PHISHING ATTACK: Hundreds of personal Gmail accounts, including those of some senior U.S. government officials were hacked as a result of a massive phishing scheme originating from China. Reported by Google.

CBC News – June 1, 2011 - CYBER ATTACKS EMBOLDEN HACKERS: U.S. Defense contractor Lockheed Martin, admitted that it was the recent target of a significant and tenacious cyber attack.

WICS – May 30, 2011 - BC-US—PBS WEBSITE HACKED: PBS officials say hackers have cracked the network’s website. The hackers apparently posted a phony story claiming that dead rapper Tupac Shukar was alive in New Zealand.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Cybersecurity. This Certificate prepares the student to seek entry to mid-level career positions such as: Cyber Investigations Analyst, Cyber Security Analyst, Computer/Digital Forensics Analyst, Security Analyst, Security Investigation Specialist, Investigative Specialist for the Justice Department, Evidence Analyst, Forensics Systems Analyst, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Computer Forensics Analyst, Cyber Security Systems Analyst, Cyber Security Engineer, Cyber Intelligence Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know the selection and utilization of various tools, techniques, and methods, specific to cyber analysts, to detect, recognize, document, certify, and verify cybercrime, cyber terrorism, cyberwar, cyberstalking, and cyberbullying. This Certification also maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Demonstrate an understanding of the processes and goals of cyber forensics investigations.
- Assess and select Federal and State laws and legal concepts that affect how governments and organizations think about information security.
- Support the importance of search warrants and chain of custody in a forensic investigation.
- Apply the field of Cybersecurity and the regulatory standards and compliances.
- Gain the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC331 - Legal Issues in Information Security• ISSC351 - Computer Forensics [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC451 - Cybercrime [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]• ISSC452 - Cybersecurity [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]• ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security [Prerequisite: ISSC340 - Local

Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]

- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Total = 18 semester hours

Undergraduate Certificate - Digital Forensics

This certificate program pertains to the study of various forensics models to identify, preserve, collect, examine, analyze, prepare, and present evidence for prosecuting cybercrime. The process of forensics investigation can destroy the very evidence it is seeking to assimilate. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator. The societal impact of cybercrime has become commonplace; it is broadcast on the evening news and is a favorite playing field for popular television shows (such as CSI) and moviemakers. Technology is a boon to society, but, in malicious hands it becomes a valuable instrument in a dark and sinister underworld. And, unfortunately, cyber legislation and forensics have been lagging way behind when it comes to cybercrime. The process of forensics investigation can destroy the very evidence it is seeking to assimilate. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Digital Forensics. This program will help prepare the next generation of IT professionals to fill positions in the Law Enforcement, at the corporate level anything from forensic to incident response, data misuse, hacking, intrusion and theft, for the Government including the Department of Defense, the National Security Agency, and the Department of Energy, and Military Investigations. It prepares the student to seek entry to mid-level career positions such as: Computer/Digital Forensics Examiner, Forensic Analyst, Computer Forensics Analyst, Forensics Systems Analyst, Forensics System Engineer, Digital Forensics Engineer, IT Forensics Manager, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Information Assurance Engineer, Information Security Crime Investigator, Computer Crime Investigator, Cyber Forensics Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know through various tools, techniques, and methods, how to properly acquire and collect evidence for use in legal proceedings for criminal or civil forensics requirements, present rules of evidence, and maintain integrity of the chain of custody.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks, both caused by mobile and wireless peripheral devices, then evaluate security and access procedures within wireless Internet use subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, e-mail tracking techniques, e-mail crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.
- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">● ISSC351 - Computer Forensics [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC455- Digital Forensics: Investigation Procedures and Response [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer

Forensics or ISSC451 - Cybercrime]

- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]

Total = 18 semester hours

Undergraduate Certificate - E-Commerce

This certificate will broaden the scope of understanding e-commerce for IT students interested in embarking upon this new technology and pursuing an associate or bachelor's degree. As the technology field shifts, the curriculum must embrace the changes in technology to appropriately address the needs of the students. The growth of the World Wide Web, supported by the increased use of the Internet to purchase goods and services, has led to e-commerce, or electronic commerce, the buying and selling of products and services via computer networks. E-commerce is now one of the leading trends in web technology that is influencing the use of websites. E-commerce focuses on three major types of e-commerce as defined by B2B (business-to-business) commerce, B2C (business-to-consumer), and C2C (consumer-to-consumer). This certificate will help students stay current and remain employable in today's information age.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Explain the evolution of e-commerce architecture.
- Summarize the social and economic influences of e-commerce.
- Assess the use of Web analytics, Web videography, search engine optimization, and Web content management systems to promote e-commerce.
- Compare traditional business models with growing Web technologies, Web analytics, Web videography, search engine optimization, and Web content management systems used for e-commerce.
- Develop management strategies that would incorporate e-commerce and achieve organizational missions.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• WEBD122 - Introduction to Web Analytics• WEBD222 - Advanced Web Analytics [Prerequisite: WEBD122 - Introduction to Web Analytics]• WEBD321 - Web eCommerce Development• WEBD322 - Web Videography• WEBD323 - Search Engine Optimization• WEBD324 - Web Content Management Systems

Total = 18 semester hours

Undergraduate Certificate - Enterprise Web Applications

The Enterprise Web Applications Certificate focuses on the theories and skills necessary to perform design, develop, and deploy enterprise web applications on the Internet. This certificate prepares the adult learner to seek entry-level career positions such as: Web Publisher, Web Developer, Web Database Developer, JavaScript Developer, Java Developer, and E-Commerce Developer. Graduates will be able to apply and use Object Oriented Programming (OOP), HTML, JavaScript, Java J2SE & J2EE), and E-Commerce Solution Developer. Graduates will examine the process to build real-world Java applications and to deploy them on the World Wide Web. It is strongly recommend that students complete the Certificate in Web Publishing before embarking on this Certificate.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Assess the impact of Java 2 Standard Edition (J2SE) and Java 2 Enterprise Edition (J2EE) on Information Technology Management, on security, and on global economies as it applies to enterprise eCommerce solutions on the Web.
- Examine the principles and concepts of Object Oriented Programming (OOP) and evaluate the application of these principles in JavaScript and Java.
- Evaluate the power and advantages of XML that have made it the global standard for enterprise data exchange and data dictionary standardization.
- Explore and analyze the hierarchy of the Java Class Library; use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, life cycle, management issues, and process for developing Java Server Pages (JSP) based, Java Servlets based, and JavaBeans based enterprise web applications.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD381 - Object Oriented Programming with Java [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD481 - Enterprise Development using J2EE [Prerequisite: ENTD381 - Object Oriented Programming with Java]• INFO321 - Database Management Systems• WEBD241 - Web Development using JavaScript• WEBD341 - Enterprise Data Exchange using XML

Total = 18 semester hours

Undergraduate Certificate - Enterprise Web Applications using .NET

The Enterprise Web Applications using .NET Certificate focuses on the principles and practices necessary to design, develop, and deploy web applications using the .NET framework on the Web. Graduates will be able to build real-world .NET applications based on the knowledge and skills gained in the program. This program prepares the adult learner to seek entry-level career positions such as Web Database Developer, Visual Basic Developer, C# Developer, and .NET Developer. Graduates will be able to apply and use Object Oriented Programming (OOP), Visual Basic, ASP, and C # to develop web applications. Prior experience with object-oriented software development is strongly recommended.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Discuss the impact of the .NET framework on Information Technology management, on security, and on global economies as it applies to enterprise ecommerce solutions on the Web.
- Examine the principles and concepts of Object Oriented Programming (OOP) and evaluate the application of these principles in Visual Basic, ASP, and C#.
- Explore and analyze the hierarchy of the Framework Class Libraries (FCL); use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, the life cycle, management issues, and process for developing Visual Basic, ASP, and C# web applications.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD361 - Enterprise Development Using VB.NET: Introduction [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD461 - Enterprise Development Using VB.NET: Advanced [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD462 - Enterprise Development Using ASP.NET [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD463 - Enterprise Development Using C# [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]• ENTD464 - Enterprise Development using .NET: Project [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Total = 18 semester hours

Undergraduate Certificate - Environmental Technology

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Define the theoretical foundation of the disciplines of environmental hazard mitigation and pollution management.
- Explain the regulatory, policy, and political influences on environmental management and sustainability.
- Develop management strategies that incorporate environmental compliance standards and achieve organizational missions.
- Describe the current and emerging technologies in the treatment, remediation, and disposal of environmental contaminants.
- Evaluate strategies and assess mitigation plans for environmental contaminants.
- Assess the consequences of the ecological impacts on public health and safety, and social and economic welfare.

Certificate Requirements (18 semester hours)

- EDMG240 - Chemistry of Hazardous Materials
- EVSP111 - Hazardous Waste and Public Law
- EVSP317 - Environmental Enforcement
- EVSP411 - Environmental Regulation, Policy, and Law
- EVSP412 - Environmental Management Systems
- EVSP430 - Pollution and Pollution Management

Total = 18 semester hours

Undergraduate Certificate - Explosive Ordnance Disposal

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Recognize the historical basis of the development of the Explosive Ordnance Disposal field (EOD).
- Identify the differences between military and civilian EOD organizations.
- Select the appropriate use of technology/approach in rendering safe operations.
- Describe the basic electrical and electronic theory/circuitry used in triggering and controlling standard explosive devices and improvised explosives devices (IEDs).

Certificate Requirements (19 semester hours)
<ul style="list-style-type: none">● HLSS230 - Chemistry of Explosives● HLSS231 - History of Explosive Ordnance Disposal● HLSS232 - Electronics, Electricity and Explosives● HLSS233 - Explosive Incident Assessment: Methods, Practices, Protocols● HLSS234 - Organization for Explosive Ordnance Disposal● SCIN133 - Introduction to Physics with Lab

Total = 19 semester hours

Undergraduate Certificate - Family Studies

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Examine the dynamics and cultural influences, such as ethnicity, within a family unit.
- Apply theoretical approaches to child rearing in families.
- Develop knowledge of practical skills for working with children and parents.
- Identify and examine the aging process and its effects on a family.
- Explore and discuss strategies and practices of healthy and effective marriages and family relations.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• CHFD340 - Family Development <p><i>And select 5 courses from the following:</i></p> <ul style="list-style-type: none">• CHFD446 - Families and Social Action• CHFD225 - Introduction to the American Family• CHFD307 - Child and Adolescent Development• CHFD331 - Parenting• CHFD348 - Marriage and the Family• CHFD360 - Family Resource Management• CHFD445 - Family Communications• CMRJ322 - Crime and the Family• DEFM332 - Transition and the Military Family

Total = 18 semester hours

Undergraduate Certificate - Fire Science

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Explain the chemistry components of combustion and how combustion is managed through science.
- Identify the various fire protection systems currently used in today's building protection system.
- Identify construction methods and types of construction.
- Demonstrate use of risk analysis for a geographical community.
- Define the national fire flow formula for proper building protection and water supply.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• FSMT102 - Fire Behavior and Combustion• FSMT188 - Fire Prevention• FSMT201 - Fire Protection Systems• FSMT210 - Fundamentals of Fire Protection• FSMT287 - Fire Protection in Building Construction• FSMT289 - Fire Protection Hydraulics and Water Supply

Total = 18 semester hours

Undergraduate Certificate - Fish and Wildlife Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

Certificate Requirements (18 semester hours)

- [EVSP330 - Fish and Wildlife Policy, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP341 - Introduction to Wildlife Management](#)
- [EVSP342 - Population Ecology](#)
- [EVSP411 - Environmental Policy, Regulation, and Law](#)
- [EVSP421 - Water Resources Management](#)

Total = 18 semester hours

Undergraduate Certificate - Forensics

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Determine the usefulness of trace elements for the forensic comparison of various types of physical evidence and relate the advantages of evidence collection from the forensic scientist's point of view.
- Explain how the science and art of profiling crime scenes, and subsequently offenders, from physical and psychological evidence is key to the investigation of crimes for which there is no known perpetrator.
- Analyze contemporary practices associated with investigating the manner and cause of sudden, unexpected, and violent death.
- Assess environmental influences and motivating factors that result in criminal behavior.
- Describe how approaches to profiling can be applied to assist in solving crimes.
- Discuss principles of criminal liability and the acts, mental state, and attendant circumstances that are central ingredients in crimes against society, persons, or property.
- Describe why a basic knowledge of chemistry and human anatomy is critical in the world of forensics.

Certificate Requirements (23 semester hours)
<ul style="list-style-type: none">• CMRJ329 - Criminal Profiling• CMRJ335 - Crime Analysis• CMRJ341 - Criminalistics• CMRJ402 - The Pathology of Death Investigations• LSTD302 - Criminal Law• SCIN131 - Introduction to Chemistry with Lab• SCIN132 - Introduction to Human Anatomy and Physiology with Lab

Total = 23 semester hours

Undergraduate Certificate - Hazardous Waste Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify the purpose of a hazardous waste management program.
- Define the categories of waste including hazardous, universal, potentially hazardous, and non-hazardous.
- Explain the purpose for regulating hazardous waste and the regulatory standards that apply to hazardous waste management.
- Identify the container, labeling, and storage requirements for hazardous waste.
- Describe transportation and disposal requirements for hazardous waste.
- Explain the requirements for emergency preparedness and contingency planning.
- Explain the requirements for training personnel, reporting, and recordkeeping.
- Describe methods of reducing the generation of hazardous wastes.
- Describe proper management and disposal procedures for typical hazardous, universal, and potentially hazardous wastes.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• EDMG330 - Managerial Issues in Hazardous Materials• EVSP110 - Introduction to Hazardous Waste Management• EVSP111 - Hazardous Waste and Public Law• EVSP210 - Hazardous Waste Treatment and Disposal• EVSP220 - Emergency Spill Response• TLMT318 - Hazardous Materials Transportation

Total = 18 semester hours

Undergraduate Certificate - Homeland Security

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify the key challenges for the 21st century facing not only U.S. homeland security strategy, but also those of other major actors that might become “peer competitors.”
- Discriminate between valuable sources of information and those sources that are questionable.
- Differentiate between homeland security and homeland defense.
- Describe the national intelligence apparatus including FBI, CIA and NSA.
- Assess proposals for improvement in the state of homeland security.

Certificate Requirements (18 semester hours)

- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)

And select 3 courses from the following:

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS215 - Regulatory Issues in Weapons of Mass Destruction](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)

Total = 18 semester hours

Undergraduate Certificate - Human Resource Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify and discuss various laws, rules, regulations and policies affecting employees in today's workplace.
- Distinguish and discuss various compensation packages and incentives used in recruiting employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• HRMT407 - Human Resource Management• HRMT412 - Compensation and Benefits• HRMT413 - Employment and Labor Relations• HRMT415 - Human Resource Management Information Systems• HRMT416 - Human Resource Development• MGMT310 - Principles and Theory of Management

Total = 18 semester hours

Undergraduate Certificate - Infant and Toddler Care

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify cognitive, physical, social, and emotional changes that occur in early childhood.
- Explore the relationship between a child's development and interactions with parents, siblings, peers, and teachers.
- Examine the fundamentals of infant and toddler development including planning and implementation of programs in daycare.
- Develop knowledge of formal and informal methods of gathering data on young children.
- Apply interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural environments.

Certificate Requirements (18 semester hours)

- [CHFD210 - Childhood Educational Development](#)
- [CHFD212 - Infant and Toddler Programs](#)
- [CHFD308 - Infant-Toddler Development](#)
- [CHFD312 - Special Needs Students](#)
- [COMM240 - Intercultural Communication](#)
- [EDUC111 - Observation Techniques](#)

Total = 18 semester hours

Undergraduate Certificate - Information Security Planning

This certificate assesses the principles of attack and defense and applies that knowledge to protect the information assets of an organization. Any undergraduate student, regardless of major, may enroll in the Certificate in Information Security Planning. This certificate prepares the adult learner to seek entry-level career positions such as: Information Assurance Analyst, Information Assurance Manager, Security Policy Analyst, Security Planner, and Security Auditor. Program graduates will know how to design secure networks, develop security policies, use cryptography, and perform business continuity planning.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Assess the laws (national and federal), policies (including Sarbanes-Oxley Act), issues (social, psychological, legal, and management), risks, and controls related to information assurance and network security.
- Appraise the principles and concepts behind computer network defense (CND) methodology, robust codes, cryptography, authentication, authorization, non-repudiation, and commercially available security packages (PKI, PGP, Kerberos, SSL, VPN).
- Examine the processes, roles and responsibilities of management and security professionals in risk assessment, risk mitigation, security validation, policy enforcement, and personnel indoctrination.
- Assess the key components of the Physical Security Policy, Internet Security Policy, Email Security Policy, Encryption Security Policy, Software Development Security Policy, Authentication Security Policy, Network Security Policy, Acceptable Use Policy, and the policy that addresses viruses, worms, and Trojan horses.
- Assess the engineering discipline, process, techniques, tools, and technologies used by hackers to gain unauthorized access to the systems and appraise counter measures to mitigate this risk.
- Examine the plans, procedures, practices, and tools to ensure business continuity and to recover rapidly after an incident.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC361 - Information Assurance [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC362 - IT Security: Attack and Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC422 - Information Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC471 - IT Security: Auditing [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC481 - IT Security: Planning and Policy [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ITMG381 - Cyberlaw and Privacy in a Digital Age

Total = 18 semester hours

Undergraduate Certificate - Information Systems Security Essentials

Security threats increase in number and severity at a faster rate than qualified security professionals can fill in the necessary gap. Qualified security professionals are in dire need, even in a troubled economy, as businesses prioritize their budget spending to invest in a secure business environment. This certificate assesses and demonstrates essential skills in most of the 10 information security domains: access control, application security, business continuity and disaster recovery planning, cryptography, information security and risk management, legal, regulations, compliance and investigations, operations security, physical (environmental) security, security architecture and design, and telecommunications and network security based on the principles of proven and universally accepted information security models. Upon completion of this certificate program, the student will be prepared for the Security+ Certification testing.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Information Systems Security Essentials. This certificate prepares an IT professional to seek entry-level career positions in administration, development, and integration, such as: information security analyst, information security technician, and computer security administrator. Program graduates will know how to design secure networks, develop security procedures, administer security policies, apply cryptography, and create IT security plans.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Evaluate information security strategies, architectures and plans to counteract intruders in an information system.
- Appraise national and federal laws, policies, and guidance related to information assurance; also develop an awareness of the social, psychological, ethical, and legal policies and requirements in the field of information assurance.
- Examine and profile the various types of security attacks and exploits; also appraise various security technologies, such as: packet filtering, Stateful Packet Inspection (SPI), proxy technology, Network Address Translation (NAT), Public Key Infrastructure (PKI) authentication, and encryption.
- Analyze the concept and the functionality of firewalls, routers, Virtual Private Networks (VPN), and Intrusion Detection Systems (IDS).
- Appraise the role of security assessments, penetration testing, and security plans in establishing network security; also evaluate the components of a network security assessment methodology.
- Investigate methods of mitigating risk by minimizing the exposure of information to hackers and the techniques hackers use to avoid detection and to cover their electronic footprints.
- Develop an assessment methodology that identifies, attacks, and penetrates IP based network systems.
- Define public key cryptography, the purpose of digital certificates, and risk analysis and explain ways to securely manage operations.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC361 - Information Assurance [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC362 - IT Security: Attack & Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC363 - IT Security: Risk Management [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC421 - Computer and Network Security [Prerequisite: ISSC340 - Local Area Network Technologies] [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC422 - Information Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to

Networking or ISSC343 - Wireless Networks]

- [ISSC461 - IT Security: Countermeasures](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Total = 18 semester hours

Undergraduate Certificate - Instructional Design and Delivery

Certificate Objectives:

- Demonstrate effective professional and personal communication skills.
- Design curriculum for adult learning contexts.
- Use effective classroom management approaches in adult learning contexts.
- Apply adult learning theory.
- Apply learning and cognition theory in adult learning contexts.
- Design instructional assessments based upon measurement and evaluation theory.

Certificate Requirements (18 semester hours)

- [COMM285 - Interpersonal Communications](#)
- [EDUC320 - Classroom Management](#)
- [EDUC340 - Adult Learning Theory](#)
- [EDUC401 - Curriculum Design](#)
- [EDUC402 - Measurement and Evaluation](#)
- [PSYC303 - Learning and Cognition](#)

Total = 18 semester hours

Undergraduate Certificate - Intelligence Analysis

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Conduct basic research and provide professional analyses on issues critical to intelligence consumers.
- Identify the basic cognitive science principles that underlie human information processing and problem solving such as intelligence analysis.
- Complete intermediate-level analyses in selected areas critical to intelligence consumers.

Certificate Requirements (18 semester hours)

- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL401 - Critical Analysis](#)
- [INTL402 - Intelligence Analysis](#)
- [INTL434 - Threat Analysis](#)

And select 2 courses from the following:

- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL454 - Forecasting Terrorism](#)

Total = 18 semester hours

Undergraduate Certificate - Internet Webmaster

This certificate is a study of Web site design, internet concepts, networking, Web development fundamentals, Dreamweaver, and Adobe Flash. The courses in this certificate program are aligned with the Certified Internet Webmaster (CIW) Associate, CIW Associate Design Specialist, CIW Professional industry standard certifications. It focuses on Web page layout, navigation, typography, Web graphics, color, color theory, web safe colors, HTML, XML, XHTML, structural elements (tables and framesets), cascading style sheets, and metadata. It also concentrates on the technical side of the Internet, examining network types, protocols, browsers, search engines, email communication and personal information management, multimedia on the Web, Internet services and tools [newsgroups, telnet, File Transfer Protocol (FTP), and instant messaging], internet security (encryption, authentication, firewalls, malware, virus detection and prevention, spyware, updates and patches), and IT project management. Also, students will be exposed to Cascading Style Sheets (CSS), graphics (enhance, optimize, embed, and edit image properties), tables, templates, frames, forms, and snippets. Prior experience with scripting languages such as JavaScript is strongly recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Compare and contrast the functions of network protocols; describe network transmission media and types and identify network architecture and topologies; and describe the Internet architecture model and Internet protocols.
- Assess the principles for designing web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Investigate the principles and concepts of effective design for organizing information, for performing site design, and for determining the navigation structure.
- Examine the features, functions, and settings of e-mail and FTP; also evaluate the risks with using FTP.
- Differentiate between Web search engines, Web directories, and Web metasearch engines; also predict the future of Web search tools.
- Appraise Cascading Style Sheets (CSS) and apply this knowledge to develop web page and web site templates.
- Develop X/HTML code to create Web pages with images and image maps.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• DSIN121 - Web Page and Web Site Design• DSIN242 - Motion Graphics using Macromedia Flash• ISSC341 - Introduction to Networking• WEBD121 - Web Development Fundamentals• WEBD262 - Web Site Development using Dreamweaver• WEBD311 - Internet Concepts

Total = 18 semester hours

Undergraduate Course Descriptions

Business

BUSN100 Basics of Business (3 hours)

This course is designed to acquaint the student with the terminology, organization, and function of the American business system. The course will give the student a broad background about the contemporary American and global business environments as well as considering different business organizations, management principles and strategies. Topics covered include marketing, finance, personnel, customer relations, production and operations, e-business, world trade ventures, internal information systems and decision-making processes.

BUSN120 Real Estate Principles (3 hours)

This course provides an introduction to real estate as a business and profession. Students will have the opportunity to discuss and review terminology, concepts and best practices for the real estate industry. Topics will include the real estate market, property rights, deeds and leases, contracts, the closing process, urban economics, brokerage, appraisal, land uses, and insurance.

BUSN250 Analytics I (3 hours)

This course is designed to provide a foundational knowledge in analytics, and how it is used in business to strengthen the decision-making process. As technology has changed the landscape of business processes, it has also created a necessity for decision-makers to have the ability to use various tools to create, manipulate, and report data. Students will learn operational statistical theories, software options to work with data, and begin to integrate concepts into objective decision-making.

BUSN299 Applied Business Solutions (3 hours)

This course is an integrated-based approach to task-based, business problem-solving using various technology solutions such as productivity software products, the Internet, and free applications. Students will be challenged to use appropriate technology skill sets, while also learning additional skills working on real world business projects. Students will complete the course with an e-portfolio of their work, which can in turn be used in the job search process. (Prerequisite: ENGL225 and ITCC111 or ITCC112)

BUSN310 Business Theory (3 hours)

This course provides an understanding of the corporation, each of the business functions (to include accounting, finance, marketing, technology, management, and planning), and the relations between and among functions in the operation of the firm.

BUSN311 Law and Ethics in the Business Environment (3 hours)

This course develops skills for inquiry into the business environment from a legal and ethical perspective. Students explore the relationships between modern business and the environment, in addition to the ethical issues that arise when diverse interests intersect. Relevant topics will include contracts, commercial law (sales, secured transactions and creditors remedies), forms of business entities (including limited liability companies and corporations), agency, employer-employee relationships, real property concepts, bankruptcy, and negligence and strict liability concepts. Students will examine corporate governance and business ethics, with emphasis on case studies.

BUSN312 Operations Research (3 hours)

This course introduces Operations Research and includes the application of operations research and management science techniques to management decision problems. Operations research techniques and methods can be applied to problems in virtually all-functional areas of business including accounting, finance, marketing, production and human resources. Examples from each of these areas will be covered during the course. A feature of the course is that Microsoft Excel is used to implement some of the techniques covered. This means that you will become proficient in using Excel; the most widely used electronic spreadsheet in business today. (Prerequisite: MATH110, MATH111 or MATH225)

BUSN313 Global and Competitive Strategy (3 hours)

This course is concerned with the formulation and analysis of business strategy. Business strategy is the set of objectives and policies that collectively determine how a business positions itself to increase its returns and create economic value for its owners and stakeholders. Students will be introduced to analytical techniques for diagnosing the competitive position of a business,

evaluating business strategies, and identifying and analyzing specific business options.

BUSN316 Fundamentals of Entrepreneurship (3 hours)

This course focuses on the actual tasks and activities of the entrepreneur-from researching venture feasibility, to launching the venture, to managing growth. Covered are descriptions of real entrepreneurs in action, facing the challenges that entrepreneurs must deal with, and making good and even some not-so-good decisions. This study relates the excitement of the entrepreneurial adventure.

BUSN318 Small Business Management (3 hours)

This course focuses on the unique aspects facing the small business, to include issues of strategy, marketing, personnel, operations, profitability, surviving in the market, financing, among other issues. Resource constraints are covered as a major topic.

BUSN320 Principles of E Business (3 hours)

This course is a study of the fundamental principles of e-business. Students will learn how to build a successful e-business operation with step-by-step guidance for writing an e-business plan and simplified guidance for the development and management of a start-up customer focused website. Students will select an e-business of their choice and, using worksheets from their textbooks, follow a step-by-step process to develop eight sections of the e-business plan: business description, product and services, marketplace analysis, marketing planning, management and organization, operations, business location and equipment, and financial plans. Students will integrate basic start-up web site design plans and concepts into their e-business plan. The major objective of this course is for every student to apply the principles of e-business, e-marketing and basic website design and develop an e-business plan for immediate application or for future reference.

BUSN330 Fundamentals of Business Analysis I (3 hours)

This course focuses on business user requirement gathering and provides a variety of techniques to prepare and conduct related activities. Students gain insight into determining functional business requirements and determining user work flows in a business.

BUSN331 Fundamentals of Business Analysis II (3 hours)

This course provides a comprehensive review of different types of business requirements, tools and techniques, and documentation suites. Students apply techniques such as Unified Modeling Language' context and use case, data models, state, activity, sequence, and use cases.

BUSN332 Business Use Cases (3 hours)

The course provides practical knowledge in documenting user business functions. Students learn how to document business functions in user's scenarios, develop use cases, and the application of use cases into the development life cycle activities.

BUSN333 Project Management for Business Analysts (3 hours)

This course focuses on project requirements as the basis for managing development life cycles. Students learn to define project cycle time, measure and estimate project efforts, and set priorities.

BUSN350 Analytics II (3 hours)

This course is designed to provide a intermediate knowledge in analytics, and how it is used in business to strengthen the decision-making process. Students will focus on managerial level of statistical methods, advanced Excel functionality, and continue to work on applying concept to strengthen the ability to integrate concepts into objective decision-making processes. (Prerequisite: BUSN250)

BUSN410 Critical Thinking Strategies for Business Decisions (3 hours)

This course provides students opportunities for analysis, synthesis, and application of critical thinking applied to decision making at all levels in an organization. This course equips students with critical thinking skills to identify problems utilizing rational decision making. Students learn to solve organizational problems and provide strategic direction based on critical thinking.

BUSN411 Entrepreneurial Opportunity Eval. & Bus.Plan Dev. (3 hours)

This course focuses on the essential framework and first steps towards the student's objective evaluation of entrepreneurial

opportunity. The first portion of the course will focus on evaluation of opportunity. Topics of the course center on a framework to provide funding, strategy, format, and other issues essential to the delivery of a business plan from an entrepreneurial idea, concept, or vision.

BUSN412 Quality Management Systems (3 hours)

This course examines quality management and views quality as a systematic process leading to customer satisfaction. The course covers methodologies that will aid managers in implementing and assuring an organization's quality system is effectively meeting the organization's business goals.

BUSN415 Small Business Growth and Development (3 hours)

This course is designed to prepare you to take a small business from the startup stage to the growth stage. This step is often a huge leap for businesses and requires special skills and management approaches. This course will focus on organizing for growth, intensive marketing for growth, creating growth strategies, and financing growth.

BUSN419 International Business Management (3 hours)

This course focuses on the organization, management strategies, and essential operations of international business and cross cultural management. It provides a managerial perspective and a framework of analysis for examining the similarities and differences in the philosophy and practices of management around the world. Topics include the methods and importance of effective strategic planning when organizing and administering international marketing, finance, and human resource management areas toward efficient business, government, and global market relationships. By focusing on the analysis of national and organizational cultures and the impact of individual behaviors, the course gives a strong basis for managers to successfully manage in different countries and different populations.

BUSN450 Applied Analytics (3 hours)

This course is designed to lead students through various projects and business problem scenarios to enable them to apply concepts learned to quantify elements of alternative elimination, assess data pertinent to the overall decision-making process, and to gain and understanding of the different business functions and how data is used differently in each area. This course requires Microsoft Excel 2010 or higher. (Prerequisite: BUSN350)

BUSN490 Business Administration Independent Study (3 hours)

An opportunity for Business Administration students to pursue an independent research project or examine a specific area of Business Administration under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. This course will require students to produce a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

BUSN499 Senior Seminar in Business Administration (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Business Administration. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students should complete ALL Core and Major courses prior to this course. Student must have SENIOR standing to register.

ECON101 Microeconomics (3 hours)

Microeconomics is an overview course that covers how households (consumers), firms (producers), and governments interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

ECON102 Macroeconomics (3 hours)

Introduction to Macroeconomics is a survey course that builds on the topics covered and skills developed in ECON101 (Microeconomics) in order to present a complete picture of the economy. Macroeconomics shows how consumers and markets fit into the overall or aggregated economy and provides a framework to assess government policies. Key topics covered will include economic cycles (growth and recession), economic indicators and measures and interest rates and money supply.

ECON201 Microeconomics for Business (3 hours)

Microeconomics for Business is an overview course that covers how microeconomics impacts business operations and the strategic management of the organization. Households (consumers), firms (producers), and governments are examined to assess how they interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

ECON202 Macroeconomics for Business (3 hours)

Macroeconomics for Business is an overview course that covers how macroeconomics impacts business operations and the strategic management of the organization. An introduction to the principles and tools of macroeconomic analysis is provided. Macroeconomics for Business investigates the main topics of the overall economy including Gross Domestic Product, inflation, unemployment, economic growth, recession, monetary policy and fiscal policy. We use these theories and concepts to examine the role of the government in our economy and how government makes choices.

ECON301 Comparative Economics (3 hours)

This course analyzes the main economic systems operating today and their effect on international trade policies. Students will compare economic internal growth in centrally planned, mixed, and capitalist economics. Analyzes the performance of various economic systems in today's global economy and discusses important problems and issues of economic transition. Compares the basic theories of economic systems and various models of economic transition

ECON302 Environmental Economics (3 hours)

This course explores environmental economic theory and the relationship between market activity and the environment. The course emphasizes the use of economic analytical tools, such as market models, benefit-cost analysis, and risk analysis to assess environmental problems and to evaluate economic policy solutions.

ECON303 International Economics (3 hours)

This course provides a comprehensive account of the theory and practice of international trade and international monetary relations. Emphasizes its place on modern trade theory and applications, trade policies and arrangements, and international factor movements. Topics include international financial relations, including the balance of payments, exchange rate determination and regimes, international economic policy, and international banking.

ECON304 Monetary Economics (3 hours)

This course analyzes money and banking, the US and world financial markets, the role of the central bank, and monetary policies. Topics include principles and issues in money and banking, the nature and functions of money, financial institutions and markets, banking structures, and regulations.

ENTR150 Idea Generation (3 hours)

The act of being an entrepreneur is taking an idea and turning it into reality. There are two types of entrepreneurs - those that have a myriad of ideas and those that can't think of one idea. This course, Idea generation, is dedicated to helping the student identify opportunities for a new business venture by either deciding on one idea they have or helping to create ideas. The course starts with recognizing various ways to come up with a new idea and ends with outlining a plan to take the idea to reality.

ENTR200 Leadership in Small Business Ventures (3 hours)

This course is designed to equip small business owners with leadership skills to both supervise and inspire their staff. Students will learn how to grow the business through the right employees finding and selecting the right employees to managing and motivating to legalities. Focal points will range from the beginning with recruiting employees to the end with what's legal and what is not.

ENTR215 Innovation Design and Prototyping (3 hours)

The purpose of this course is to expose students to various methods of design and walk them through the process from design to production. Students will learn the techniques of innovative product creation and implementation, and analyze examples of actual products that were and were not successful.

ENTR216 Service Innovation and Delivery (3 hours)

This course is intended for students who expect to work in a service based business and covers various topics related to success in the small business service industry. Customer service has become a critical element of success and in a service-based business, it is imperative that students master the concepts associated with providing excellent service.

ENTR300 Foundations of Entrepreneurship (3 hours)

This course covers the fundamentals of being an entrepreneur, from concept to implementation. Students will consider the fundamentals components of entrepreneurship including identifying an industry and type of business, type of business formation, product selection and branding, target customers and their needs, the purpose of the business model and the business plan, and identify team members and stakeholders.

ENTR310 The Family Owned Business (3 hours)

This course will provide a framework for understanding individual and group behaviors within dynamic organizations. Topics to be covered will be human behavior principles in individual, groups/teams, and organizational settings. The main emphasis of this course will be on developing effective administrative/managerial skills in improving employee performance

ENTR311 Business Plan Foundations (3 hours)

This course focuses on the building the foundational business planning document that the student will use for the remainder of the program. The first portion of the course will focus on evaluation of opportunity. Student will begin thinking about topics such as funding, strategy, formation, marketing, and other issues essential to planning a successful start-up from idea to concept to visualization.

ENTR315 Financing a New Venture (3 hours)

This course will examine financial strategies needed to support a business start-up. The student will investigate sources of funding and debt capital and analyze investment strategies unique to the start-up. This course will develop the conceptual framework to understand a wide variety of ethical and finance problems related to launching the entrepreneurial venture. Topics addressed include managing the cash cycle, seed and venture capital, cost of capital and capital structure, entry strategies such as franchising and acquisition, self-funding, debt financing, angel investors, and financing from venture capital firms. The student will also investigate exit strategies such as selling the business, mergers, liquidation and bankruptcy

ENTR320 Practical Law for the Entrepreneur (3 hours)

This course covers many of the legal aspects of starting a new business venture, including, business entity selection and formation, employment law, intellectual property, taxation, government regulation and contract law.

ENTR340 Small Business Customer Service (3 hours)

New business owners must be able to retain customers. Whether online or in a physical location, customer service is critical to a small business owners success. This course discusses both personal and virtual customer service techniques

ENTR410 Money Management for Entrepreneurs (3 hours)

This course provides detailed budgeting and money management tools to start and grow a new business. Many entrepreneurs have charismatic leadership and vision, but underestimate the importance of the ability to manage the money coming and going out of the organization. Cash deficits can cripple a company, so it is imperative that smart business owners understand the drivers of good cash flow and strong profitability. (Prerequisite: ENTR315)

ENTR415 Marketing the Successful Small Business (3 hours)

This course covers the intricate details of marketing a small business, from developing a marketing strategy and plan to implementing social media to traditional tactics such as direct mail and media advertising. The student will address many

marketing issues that face start-up and small businesses. Key topics covered are marketing strategy, market research, segmentation and target markets, competitive analysis, PR, advertising and how to leverage a marketing budget for optimum results.

ENTR420 Social Media to Grow Small Business (3 hours)

This course explores the benefits and challenges of using social media and other online marketing techniques to grow a small business. The topics will explore Facebook, Twitter, Linked-In and other popular social media tools. Students will learn how to leverage social media to enhance the company's branding and marketing strategy and enhance customer relations. While this course does not have a prerequisite requirement, students should note that this is not an entry level course.

ENTR425 Operating a Small Business (3 hours)

This is a critical operations modeling course to learn how to use Excel to formulate crucial numbers within the business without having to invest in costly software. Students will learn how to use Microsoft Excel to create business models that will enable them to create cost savings within the business surrounding productivity, efficiency, scheduling, pricing, and other quantitative decisions within the operations function

ENTR430 Virtual Small Business (3 hours)

This course will teach students how to transform their business into an eBusiness. Students will evaluate traits of successful eBusinesses. Topics covered include business plans and eBusiness strategy. The course will introduce students to the basics of web development software and databases. Students will learn about B2B, B2C and B2G marketing strategies. While this course does not have a prerequisite requirement, students should note that this is not an entry level course.

ENTR499 Small Business Senior Seminar (3 hours)

The Small Business Capstone Project synthesizes the prerequisite core and elective Entrepreneurship Courses allowing the student to begin work on their own small business. Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.

Undergraduate Course Descriptions

Child and Family Development

CHFD101 Professional Careers and Education in Child Family Development (3 hours)

This course provides an overview of child and family development as a profession and academic discipline. It focuses on the broader discipline and its specialty areas of study and practice, career opportunities available in the field and educational requirements for field entry, effective job and graduate program preparation strategies, and practical issues confronting child and family services and professionals in related occupations.

CHFD210 Childhood Educational Development (3 hours)

This course examines a variety of developmentally appropriate instructional strategies central to the education of children. Integrating a micro-systemic perspective that takes into account internal and external family dynamics, this course will focus on identifying theoretical and applied solutions to the choice of age-appropriate learning exercises

CHFD212 Infant and Toddler Programs (3 hours)

This course examines the fundamentals of infant and toddler development, including planning and implementing programs in group care. It emphasizes meeting physical, social, emotional, and cognitive needs; scheduling, preparing age-appropriate activities, health and safety policies, record keeping, and reporting to parents.

CHFD215 Introduction to Child Development (3 hours)

This course addresses the research and theory of child development from conception through the end of childhood. Topics include the child's emotional, perceptual, and intellectual development, with attention to the social, cultural, and biological context in which children develop. Practical applications of theory and research will be emphasized.

CHFD220 Human Sexuality (3 hours)

This course is an overview of the biological, psychological, cultural, and behavioral aspects of human sexuality and family life. The overall theme of the course focuses on attitudes and responsible sexual behavior. Key topics include how culture, society, and history have impacted our understanding of human sexuality.

CHFD225 Introduction to the American Family (3 hours)

This course examines the family during modern times. Topics include a diverse range of issues, including single mothers, fathers, disparities among families, childcare and child well-being, cohabitation, and how these trends affect American family life.

CHFD307 Child and Adolescent Development (3 hours)

This course is a study of theories, research and practical interventions concerning the psychological development of the child from conception to puberty. Course content focuses on biological, intellectual, emotional and social development, and the dynamics of family, peer, school and other environmental influences.

CHFD308 Infant-Toddler Development (3 hours)

This course is an examination of physical, cognitive, emotional and social development in the first 3 years of life. Course topics include developmental milestones, abnormal development and disease, parenting, family dynamics and appropriate care practices and environments from infancy through 36 months of age.

CHFD311 Guidance in Early Childhood (3 hours)

This course stresses the need to respect the unique qualities that individual children and their families bring to the early childhood setting. It presents developmentally appropriate guidance strategies that help young children to become responsible, respectful, and productive members of the community.

CHFD312 Special Needs Students (3 hours)

This course focuses on theory and practical approaches to understanding and providing accommodations for students with special needs. Students will be presented with an overview of the characteristics of the most prevalent types of disabilities, as well as the

laws that protect and best educational practices for children with disabilities. Students will examine the methods to teach, as well as the documents that provide the legal basis for meeting the needs for an appropriate education for this population.

CHFD331 Parenting (3 hours)

This course examines factors influencing child rearing practices in families with an emphasis on developing practical skills for working with parents and children. Topics of study include family systems, communication dynamics, blended and culturally diverse families, conflict management, custody concerns, factors supporting healthy child development and resilience, challenges to positive parenting and models for effectively working with parents and youth

CHFD340 Family Development (3 hours)

This course is a study of the dynamics of family interaction over the life cycle. Course content emphasizes the developmental, social, and cultural influences of the family in relation to a variety of personal and social experiences.

CHFD342 Human Life Span Development (3 hours)

This course is a survey of human development across the life span. Course content includes terminology, principles, and theories related to genetic and environmental influences on physical, cognitive, emotional and social development.

CHFD348 Marriage and the Family (3 hours)

This course guides students through an examination of the major theories and research findings related to healthy and effective marriages and families. Family dynamics associated with marital breakdowns and an introduction to family therapy are included.

CHFD350 Family Life Education (3 hours)

The course offers a philosophical and historical perspective on family life education across the lifespan. Practice in curriculum development including content, objectives, and teaching strategies for diverse social groups and settings is stressed.

CHFD360 Family Resource Management (3 hours)

The course covers the management of a variety of resources most often found in family systems. Included is the interaction of families with other societal environmental systems in acquiring and using resources to meet goals and other demands.

CHFD411 Child Psychopathology (3 hours)

This course focuses on psychopathology in childhood from biological, cognitive, social and emotional perspectives and the assessment and diagnostic tools and treatment approaches used with major childhood disorders. Environmental factors contributing to the development of child psychopathology, including family dysfunction, interpersonal violence and trauma and assessment of risk for child abuse and neglect, drug use and suicide will be examined. (Prerequisite: CHFD307) This course replaces CHFD410.

CHFD415 Children and Stress (3 hours)

This course examines historical and current research related to, and practical applications for managing and reducing, childhood stress within home, school and community environments. The effects of separation, divorce, violence, crises and trauma both within and external to the home, and events impacting local and extended communities will be addressed with a prevention and intervention focus.

CHFD445 Family Communications (3 hours)

This course emphasizes the role of communications within the family relationship cycle. It examines how individual needs, perceptions, and self-concepts affect the quality of intra - and inter-familial communication, and integrates both theoretical and applied aspects of family research.

CHFD446 Families and Social Action (3 hours)

This course is the study of the multidimensional aspects of family law and policy, including child support enforcement, homosexual marriage, and surrogate parenting. Students will analyze case excerpts from court opinions on family policies and laws that apply at the federal, state, and local level.

CHFD498 Senior Seminar in Child and Family Development (3 hours)

This course covers major issues within the field of child and family development. Historical underpinnings of theory and practice, factors influencing family function and dysfunction across the lifespan, family education and guidance, law and public policy related to children and families, family resource management, and ethical and professional issues confronting practitioners in field are examined. Extensive research, reading and synthesis of scholarly and professional resources are required. Prerequisite: Student must have SENIOR standing to register.

HDFS401 Child Life Theory and Practice (3 hours)

Child Life Theory and Practice will support students in the application of knowledge of child development to educate, prepare, and support children and their families through the processes of hospitalization and changes in family dynamics related to illness.

Child Life Theory and Practice is taught by a Certified Child Life Specialist and will meet one of the requirements of the Child Life Council to become a Certified Child Life Specialist. Pursuit of Child Life certification upon completion of this course is not required but is encouraged.

Undergraduate Course Descriptions

Communications

COMM200 Public Speaking (3 hours)

Public Speaking will introduce students to the field of communication studies, giving them a basic foundation in the issues relevant to communicating effectively in today's global, technological, and diverse world: history and theories of communication, ethics, the audience, developing and delivering a speech, and types of speeches and specialized speech situations, including the job interview. This course utilizes Thinkwell Public Speaking online materials, which includes video selections of historic speeches for study as well as examples of student speakers. Students enrolling in this course must be able to capture video (required) for their speeches. Video files are created and stored within the classroom for the students' security.

COMM210 Communication and Gender (3 hours)

This course examines the similarities and differences in male and female communication styles and patterns. The content emphasizes implications of gender as a social construct influencing perceptions, values, stereotyping, language use, nonverbal communication, and power conflict in human relationships.

COMM211 Social Media and Society (3 hours)

This course explores the practical and theoretical social impacts of computer-mediated communication (CMC) systems, including many different types of technologies, such as social networking sites, email, forums, chat, and online games. Students will engage in the analysis of CMC practices, the social processes and structures that emerge when people use these applications, and the problems and barriers that emerge from use.

COMM220 Small Group Communication (3 hours)

This course will examine the theoretical and practical issues that affect communication between members of work teams, discussion groups, and decision-making bodies. Students will work as members of student teams to analyze both the theoretical and practical implications of the issues that surround effective communication and miscommunication in a small group setting.

COMM240 Intercultural Communication (3 hours)

This course develops interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural relationships, and focuses on differences in values, message systems, and communication rules across cultural boundaries and in multicultural settings.

COMM250 Mass Communication (3 hours)

This course is an introduction to major mass communication theories as a context to examine major issues surrounding mass media in American society. Students will trace the history and development of the major media, both nationally and internationally, and examine the connection to, and interdependence of, each medium to other media. Emphasis will be placed on the current status of each medium and its influence on society and vice versa.

COMM280 Ethics in Communication (3 hours)

This course is a study of the ethical considerations in communication. It will examine the main ethical issues in interpersonal and mediated communication, including such topics as objectivity, freedom of expression, representations of sex, violence and other human behavior, privacy, confidentiality and obligations to the public.

COMM285 Interpersonal Communications (3 hours)

This course is designed to focus on communication within the workplace, personal activities, and family life in order to establish and maintain healthy interpersonal relationships. This course serves as an introduction to major theories and empirical research regarding the role of interpersonal communication as it relates to personal, contextual, and cultural variables in the development of various types of relationships.

COMM350 Journalism (3 hours)

This course will introduce students to core journalism skills and the historical, social and political context of journalistic practice.

The course provides instruction in on-line journalism, news writing, story structure, interviewing techniques and a working understanding of the code of ethics and legal issues which impact journalistic practice. (Prerequisite: ENGL101 or ENGL102).

Undergraduate Course Descriptions

Criminal Justice

CMRJ100 Introduction to Law Enforcement (3 hours)

This course is an introduction to the philosophy, history, and constitutional limitations of law enforcement. The course will focus on the function of law enforcement within society, ethics and professionalism, theories of law enforcement, and the legal aspects that impact law enforcement.

CMRJ101 Evidence and Procedures (3 hours)

This course will provide an introduction to the collection, preservation, and basic crime scene investigations. Furthermore this course will also focus on the laws and court decisions relating to the admissibility of evidence as well the appropriate methods of interrogation and its uses in the criminal justice process.

CMRJ201 Criminal Justice Administration (3 hours)

The course will provide the student with an overview of the American criminal justice system as an interdisciplinary social science involving aspects of criminology, sociology, law, and political science. This course will also examine the complexity of the American Criminal Justice System through its administrative process.

CMRJ202 Stress Management in Law Enforcement (3 hours)

This course will explore the stresses of law enforcement, specific stress factors in law enforcement (i.e., shift work, hazards and dangers, dealing with death and severe injury, post-shooting trauma, testifying in court, and undercover work). Methods and techniques for reducing stress will be discussed as will applying these techniques in the field.

CMRJ203 Patrol Methodologies & Community Policing (3 hours)

This course will provide an in-depth overview of the concepts and theories associated with being a patrol officer. The student will become familiar with aspects of community-oriented policing; problem-oriented policing, civil liability, ethics and day-to-day police activities that make patrol work the backbone of law enforcement.

CMRJ205 Rape and Sexual Violence (3 hours)

This course will explore the sociological and psychological perspectives of sexual crimes as well as examine the legal and forensic aspects of rape. The impact rape has on its victims and society's reactions to sexual violence will be analyzed not only within the United States but around the world. Additionally the class will focus on aspects of causation and rehabilitation of rape crime as well as the proper collection, preservation and analysis of evidence in rape crimes.

CMRJ206 Juvenile Delinquency (3 hours)

This course will introduce students to the principles of juvenile delinquency. It will provide a historical overview of juvenile delinquency in America. The course will examine the psychological, social, and environmental theories of juvenile delinquency while also covering the juvenile court system and treatment options for delinquency.

CMRJ285 Rehabilitation, Reentry and Reintegration (3 hours)

This course will provide an overview of rehabilitation, reentry, and reintegration through examining the most current research. Students will explore the corrections topics such as reentry, drug treatment, probation and parole, and community corrections.

CMRJ295 Criminal Justice Sophomore Seminar (3 hours)

This course is the final course needed for the completion of the Associate of Arts in Criminal Justice degree. The course is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic project or paper that demonstrates his or her grasp of the criminal justice field. This is a culminating course to be taken after all other Associate of Arts in Criminal Justice courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. [Prerequisite: This course is to be taken as the LAST course in the AA in Criminal Justice program.]

CMRJ300 Research Methods of Criminal Justice & Security (3 hours)

This course will examine research methodology and the application of research to the criminal justice system. The course will focus on the methods commonly utilized in social science research such as qualitative, quantitative and mix methodology. Additionally the course will examine the application of theory, inquiry structure, ethical concerns, and data interpretation in the research process. Students will also evaluate peer reviewed research articles and discuss their applicability to criminal justice and security management issues. Students shall also be introduced to the American Psychological Association (APA) 6th edition style of writing in regards to basic research paper formatting.

CMRJ302 U.S. Law Enforcement (3 hours)

This course is an evaluation of the breadth and complexity of contemporary police administration from a systems perspective, a traditional structural perspective, a human behavioral perspective, and a strategic management perspective. Students will apply terms and ideas in the study of policing; and be able to demonstrate and assess the historical development of law enforcement at local, state and federal levels. Additionally they will be able to critically analyze contemporary problems and trends facing law enforcement agencies including their functions, operations and management styles. Managerial theories and practices in organizations will be examined and assessed as to their application in law enforcement organizations.

CMRJ303 Criminology (3 hours)

This course examines criminal behavior in relationship to various criminological theories and analyses these theories through a historical context. These theories include classical theories and current theories of crime as they relate to criminal involvement. Additionally this course will analyze society's response to criminal behavior through the assessment of legal approaches and the various aspects of the criminal justice system. Additionally types of criminal behavior and the systems reaction to these crimes will be distinguished. Research affecting social policy and public crime concerns are examined including social problems and social responsibility perspectives as well.

CMRJ306 Criminal Investigation (3 hours)

This course is an analytical examination of crime detection and solution, including such topics as crime scene procedures, physical evidence, interviews, field notes and reporting, follow-up investigation, interrogation, and rules of evidence. Specific detail is given to investigations involving homicide, sex-related offenses, and crimes against children, robbery, larceny, vehicle thefts, computer crime, environmental crime, arson, and drug abuse. There is an in depth analysis of investigation methodologies addressing inductive and deductive reasoning to assess the decision making process to solve crimes.

CMRJ308 Ethics in Criminal Justice (3 hours)

This course concentrates on the major functions, structures and processes that underline ethical issues within the American Criminal Justice System. This course will explore the structure and nature of the various types of ethical debates within the American judicial system. There will be an assessment of the ethics in criminal justice, as it explores the issues of morality, virtue, honesty, and making ethical decisions in the United States criminal justice system. Assessments of various issues will be examined as they relate to decision making and ethics.

CMRJ310 Drug Dynamics in Criminal Justice (3 hours)

This course is an in-depth study of the epidemic of drug abuse and its association with crime. The course encompasses all aspects of both legal and illegal drug abuse, pharmacology, gang activity, youth, violence and behavioral pathology. This course will also provide an examination of public policy issues associated with resolving the national drug control issue, drug trafficking, legalization, and the law enforcement response. Students will have the opportunity to discuss contemporary drug related issues of the day related to enforcement, medical treatment, harm reduction or educational responses.

CMRJ314 Contemporary Criminal Justice Issues (3 hours)

This course will examine a broad range of contemporary criminal justice issues. Including but not limited to sentencing issues, gun control, profiling and search and seizure laws. Students will be required to research current criminal justice issues from journals and news articles in order to exchange analytical observations while employing concepts and methodologies covered in this course.

CMRJ316 Corrections and Incarceration (3 hours)

A comprehensive study of the context, practices, and special interests of corrections. Topics include the early history and current

trends of correctional thought and practice, jails and other short-term facilities, intermediate sanctions, the prison experience, women in prison, institutional management, educational/treatment programs, prisoners' rights, and race/ethnicity challenges.

CMRJ317 Probation and Parole (3 hours)

An examination of the theory and practice of probation and parole, including pre-sentence investigation, supervision of probationers, parole administration and services, treatment theory, parole officers, juvenile services, and new concepts (such as community-based corrections, the justice model, and determinate sentencing) that have impacted traditional probation and parole theory.

CMRJ320 Law Enforcement Intelligence Applications (3 hours)

The course will prepare students to use intelligence methodologies and templates to assist in case support or investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information to maximize resources. The course will examine the current use of intelligence in law enforcement (federal, state, and local) and its applications in support of investigations and operational planning. The methods examined in this course will be applicable in the private sector.

CMRJ322 Crime and the Family (3 hours)

This course assesses the problems associated with domestic violence and also explores into the social, economic, political, and cultural stereotypes of causation. There will be an examination of the relationship between family life and anti-social behavior. A review of various theories as well as research regarding the effect of family structure, marital conflict, parental anti-social behavior, and parent's child rearing practices on a child's risk for conduct problems and delinquency are assessed. Adult anti-social behavior is also explored in terms of showing how various family socialization processes and childhood behavior problems influence probability of later adult crime. Students will also evaluate the aspects of gender, race, ethnicity and socioeconomic status of victims of family abuse and their perpetrators.

CMRJ324 The History of Organized Crime (3 hours)

This course will provide an examination of the evolution of organized crime in the United States, with a focus on the social and legal factors that contributed to its development and the groups involved. Additionally this class will explore how organized crime is structured and how it can be exposed and controlled. Theoretical explanations of organized crime are also covered.

CMRJ327 Gang Theory, Practice, & Suppression (3 hours)

This course covers issues in relation to street gangs and their general impact on the criminal justice system. This course will focus on explaining gang practices, methods of communication, structure, and enforcement techniques as well as the history of gangs in the United States. Finally, the course will help the learner by explaining basic ways to deal with and suppress gang violence in the United States and elsewhere.

CMRJ329 Criminal Profiling (3 hours)

This course explores criminal behavior, its motivation, and the environmental influences and patterns of offending. Other topics examined are the approaches to profiling and how these investigative techniques are applied to helping solve crimes. This course will address aspects of behavior, taking into consideration the definition of criminal profiling as the inference of offender traits from physical and/or behavioral evidence. Evaluations will be made of the history, theories, and investigative techniques regarding profiling crime offenders, using a unique blend of both social science, as well as psychological and legal research. It includes legal case excerpts to demonstrate the role of the profiler (investigator). This provides the student a solid knowledge foundation of the integral relationship between the profiling techniques and theories of criminal behavior and the court system. It is recommended students take either CMRJ101 or CMRJ306 prior to enrolling in this course.

CMRJ330 DNA in the Criminal Justice System (3 hours)

This course will provide an historical overview of the concepts and theories associated with forensic analysis of DNA for the purpose of criminal investigations. Ethical issues involved in the use of DNA as criminal and civil evidence will be discussed as well as the protocol and procedures used by state and federal crime laboratories. Students will examine several forensic criminal case studies to evaluate the pros and cons of using DNA analysis as a tool to solve crimes.

CMRJ331 Fingerprint Analysis (3 hours)

This course will explore the historical development of fingerprint analysis as well as discuss the future technologies being developed to enhance fingerprint evidence in the American criminal justice system. The class will use several case studies of real crimes in which fingerprint analysis made a major impact on these crimes and the system.

CMRJ332 Bloodspatter Pattern Analysis (3 hours)

This course will provide the student with a basic understanding Bloodstain Pattern Analysis and its use in criminal investigations. Students will learn how to identify bloodstains using the Bloodstain Classification Taxonomy and the importance of the scientific method in bloodstain pattern analysis. This course will discuss proper documentation and collection methods of bloodstains and the legal standards that support bloodstain evidence as well as courtroom presentation. Students will examine several bloodstain patterns from crime scenes and determine the type of stain and their relevance to the criminal case.

CMRJ333 Firearms Forensics Investigation (3 hours)

This course will explore the theories and practices used in Firearms Forensics identification and investigations. Students will learn about the different types of firearms, ammunition and the basic principles of ballistics. Topics explored will be the historical development and future of firearms forensics and how this science helps law enforcement officers identify weapons used to commit crimes. Students will conduct case studies on real criminal cases in which firearms forensics science played a major role in helping solve the crime.

CMRJ334 Voice Stress Analysis (3 hours)

This is a fundamental course to provide the student with a basic understanding of the concepts and scientific methodology involved in the use of Polygraph, Voice Stress and related instruments for the Detection of Deception. Verbal and non-verbal reactions will be analyzed and various types of testing methods will be evaluated. Daubert challenges as well as other legal arguments for and against the use of Voice Stress Analysis will be openly discussed and the future of these forensic test methods assessed.

CMRJ335 Crime Analysis (3 hours)

This course will examine contemporary practices for analysis and measurement of crime including the use of geographical information systems (GIS) to map various aspects of crime. Modern crime analysis focuses on reducing crime and improving police efficiency by illustrating the impact of crime on the community and community impact on crime through the use of the SARA (scanning, analysis, response, & assessment) problem-solving model. Crime analysis facilitates informed decision making on criminal activity and prevention, thereby being instrumental in helping society learn the linkages between crime and other factors such as poverty or drug abuse. Additionally there is a review of the crime analysis function within the law enforcement organization and a demonstration of how to develop, implement, and operate a crime analysis unit.

CMRJ341 Criminalistics (3 hours)

The purpose of this course is to educate students regarding the everyday operations of state and federal crime laboratories and the forensic services provided by these organizations. The course is scientifically oriented and will concentrate on the significance of forensic evidence and various testing procedures and instrumentation used to analyze biological, chemical, pattern, and trace items of evidence. Another focus will be the proper recognition, collection and preservation of physical evidence obtained from systematic searches of crime scenes.

CMRJ345 Organizational Behavior in Law Enforcement (3 hours)

This course is designed to prepare students to become effective law enforcement administrators. The course examines the evolution of public safety organizations, modern American leaders in law enforcement, and the impact that various forces have had on the evolution and development of behavioral organization within law enforcement. Issues like management and administration issues are analyzed in terms of organizational behavior. Additional focus is on police culture and behavior, and effective communication within subcultures that exist within police departments.

CMRJ346 Conflict Resolution Within Police Departments (3 hours)

The art of managing police officers is a challenge for administrators. Issue that impact officer moral, such as efforts to decentralize a police department, changes within the community, and potential funding issues contribute to increasing stress and

conflict within a police department. Today's police administrators need to be well training in dealing with interoffice conflicts as they arise. This course will provide an overview as to how administrators can resolve conflicts within police departments.

CMRJ400 Crime and the Media (3 hours)

This upper level, undergraduate course focuses on the effect of the media on law enforcement, crime, and violence. Various theories such as strain and behaviorism and their impact will be analyzed vis-a-vis late modernity and post modernism society. Emphasis is given to the negative effects phenomenon, media construction of crime news, portrayal of law enforcement, and the "surveillance culture," as well as the impact of the internet on deviance. It provides students with an overview of problems affecting law enforcement, crime, and the public in general in assimilating and understanding information from various media outlets. Important topics such as the media's impact on moral panics, and portrayal of female offenders will also be explored.

CMRJ401 Human Trafficking (3 hours)

Human Trafficking is an upper level undergraduate course designed to help students gain a better understanding of contemporary human trafficking and modern day slavery. In this course students will assess the different legal frameworks used to combat human trafficking around the world and analyze the different discourses used to discuss the trafficking phenomena. Students will learn important terminology in this field, the different types of human trafficking that exist and an understanding of the scope of the problem, both domestically and globally. In addition, the course will explore the physical, emotional, psychological, and spiritual trauma experienced by victims of human trafficking and the methods used to recruit and control them. The roles entities such as government, the criminal justice system, the media, faith-based organizations, organized crime, and culture play in this complex human rights and social justice issue.

CMRJ402 The Pathology of Death Investigations (3 hours)

This course will examine contemporary practices for investigating sudden, unexpected and violent death. Two major topics will be explored: the first focusing on the manner of death (the social circumstances under which the death occurs), the second focusing on the cause of death (the particular material actions which result in death).The following types of deaths will be considered: asphyxial, blunt and sharp force, firearms, natural causes, mass disaster, child abuse, sudden infant death syndrome (SIDS) and suicide. Estimating the postmortem interval and identification of human remains will also be considered. It is recommended that students take CMRJ306 before enrolling in this course.

CMRJ490 Independent Study: Criminal Justice (3 hours)

An opportunity for Criminal Justice students to pursue an independent research project or examine a specific area of Criminal Justice under the mentorship of a single professor. Participation is at the discretion of the faculty member. This course will require a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

CMRJ498 Forensic Law Enforcement Capstone (4 hours)

This course is designed to be the final class taken in the B.S. in Criminal Justice with a concentration in Forensics program. The class will be a 16 week course during which students will be required to complete work which will demonstrate a mastery of their program. It is designed to be a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Topics covered during this senior seminar will allow students to review, analyze, and integrate the work the student has completed towards their degree. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. SENIOR standing is required.

CMRJ499 Senior Seminar in Criminal Justice (3 hours)

This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of

mastery of the stated outcomes of their degree requirements. Student must have SENIOR standing to register

Undergraduate Course Descriptions

Education

EDUC111 Observation Techniques (3 hours)

This course examines formal and informal methods of gathering and analyzing data on children. The emphasis is on understanding developmental patterns and implications for diagnostic assessment and intervention.

EDUC320 Classroom Management (3 hours)

This course provides candidates, or course participants, with the knowledge and skills necessary to establish a classroom learning community in which they can organize and conduct effective instruction that challenges and involves learners. Successful classrooms exist because instructors have clear ideas about the most effective classroom conditions necessary for a healthy and intellectually stimulating learning environment. Course content will focus on the differences between teacher-centered and student-centered activities, considerations for adult learners, and addressing the needs of online, face-to-face, and hybrid learning contexts.

EDUC340 Adult Learning Theory (3 hours)

This course provides students with a foundation and perspective on the nature of adult learning, particularly adult learning across the human life cycle. Students will examine the ideas of learning theorists and practitioners from the fields of education and address the relationship between theories of adult learning and teaching methods in applied settings. Students also address learning methods used by adults in everyday life and the incorporation of such natural methods into a concept of “lifelong learning” for adults.

EDUC401 Curriculum Design (3 hours)

This course focuses on the knowledge and skills necessary for the effective development of curriculum materials and the organization and implementation of those materials as a learning program with students. Students will address the leading theories and concepts of contemporary curriculum design as advocated by its leading scholars and practitioners.

EDUC402 Measurement and Evaluation (3 hours)

This course is a study of the theory, concepts, and practices of learning measurement and evaluation in instructional settings. Course topics include reliability theory, test and evaluation development, validation, and assessment.

Undergraduate Course Descriptions

Emergency Management

EDMG101 Introduction to Emergency Management (3 hours)

This is designed to introduce students to the concepts of emergency management. Students will gain a general understanding of the threats faced by communities. Students will explore the role of emergency management as well as the activities taken during the various phases of emergency management; mitigation, preparedness, response, and recovery. Topics covered in this class include the history and development of emergency management, Hazard identification and risk analysis, mitigation, Communications, International Disaster management and the future of emergency management.

EDMG220 Emergency Planning (3 hours)

Effective emergency planning is the key to surviving natural and man-made disasters. Risk analysis and the formulation of a comprehensive plan, followed by a vigorous and continuing testing program, are essential elements to surviving an emergency. Topics covered include threat assessment, risk analysis, formulating the plan, staffing the emergency operations center (EOC), coordinating with supporting agencies, the importance of continuing liaison, managing an actual incident, and conducting an effective follow-up analysis. Various actual case studies are discussed.

EDMG230 Emergency and Disaster Incident Command (3 hours)

This course is a study of the theory and practice of incident command, the various methods of incident command, and specific focus on the Incident Command System (ICS) used in crises, disasters, and emergency management response systems. The roles and responsibilities of the ICS system are identified. The different agencies and incidents in which the ICS system is used are discussed. Cases are studied in order to assist students in understanding the management and leadership complexity associated with modern emergencies and disasters. The student will complete a final paper that consists of a mock disaster, which encompasses the knowledge they have acquired during the course.

EDMG240 Chemistry of Hazardous Materials (3 hours)

This course gives the student an in-depth study of the chemistry of hazardous materials as emergency management personnel must deal with these types of materials. The course covers a great amount of material on the chemistry and physical properties of common materials that an emergency responder will commonly find in the course of responding to emergencies. It is important for emergency responders to have this knowledge for the safety of them and others. This course presents the chemical basis for classification of, and emergency response to incidents involving, hazardous materials. It is designed for the non-chemist emergency responder, transporters and others who need to understand the implications of single product and multiple product spills, releases and incidents.

EDMG259 Hazard Mitigation and Preparedness (3 hours)

This course will provide the student with an overview of societies need for planning for hazardous situations. Every community faces the potential of hazards, both natural and manmade. Only when people are injured and property is damaged by a hazard does a disaster occur. Due to patterns of population growth and development in the United States, disasters now occur more frequently than ever before. Mitigation and preparedness strategies are critical ways of making a community more resilient against the impacts of hazards.

EDMG320 Natural Disaster Management (3 hours)

This course covers the basic principles of natural disaster management in the United States. This course highlights several hazard types as topical investigations, as well as the processes and considerations of management options for preparedness, response, recovery, and mitigation. This will include but not be limited to understanding basic natural hazard mechanisms, the range of physical and human impacts, linkages to demographic and environmental transitions, and both structural and non-structural mitigation techniques. All management techniques are framed within existing U.S. Federal guidelines, however management techniques covered in this course may be applied widely. The course covers issues of organization, operations, training, and other issues associated with the management of natural disasters.

EDMG321 Social Media Application to Emergency and Disaster Management (3 hours)

This course explores social media and other forms of communication and their value, and limitations in today's environment, and cross-functional employment in support of emergency management, homeland security and public health emergency operations. In addition, this course evaluates the contributions of the internet and social media within a larger media/public relations context, as a stand-alone mass notification/information sharing platform, and as part of a communications strategy for disaster response.

EDMG330 Managerial Issues in Hazardous Materials (3 hours)

This course covers managerial issues in hazardous materials. The impact hazardous materials have on humans, wildlife, and the environment will be covered. The major laws that are applicable to hazardous materials at the Federal, State, and local levels will be discussed. The student will learn about writing an effective contingency plan and the importance of coordination and collaboration across multiple agencies when dealing with a hazardous material response. This course examines all facets of hazardous materials including regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

EDMG340 Consequence Management (3 hours)

This course addresses the potential results from nuclear, biological, and chemical incidents or uses. Topics include public health consequences of such incidents, emergency planning and response measures in place among U.S. agencies, and emerging detection and management technologies. Existing vulnerabilities to these types of incidents and attacks will also be discussed. Objectives of the course include identification of the historical development and use of chemical and biological weapons; definition of the types of chemical and biological weapons and their impacts; analysis of case studies related to the development and use of chemical and biological weapons, and research on chemical and biological warfare.

EDMG420 Risk Communications (3 hours)

This course examines media management during local/national disasters and/or events. It will also address the media and all levels of governmental response. The focus will be on actual operations and on-site issues. This course provides the student an arsenal of useable tools and techniques that are universally prescriptive and can be implemented in nearly every risk-associated situation, from public health to accidents to terrorist attacks and even to challenges to corporate reputation management. Students who complete this course will be prepared to make the best possible decisions during a crisis emergency about the effected population's wellbeing, and communicate those decisions, within nearly impossible time constraints, and ultimately, to accept the imperfect nature of choices as the situation evolves.

EDMG498 Senior Seminar in Emergency & Disaster Mgmt. (3 hours)

This senior capstone course allows students majoring in emergency and disaster management to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Emergency & Disaster Management courses have been satisfactorily completed. Student must have SENIOR standing to register.

EDMG499 Independent Study in Emergency and Disaster Mgmt (3 hours)

This course gives students an opportunity to pursue an independent research project or examine a specific area of study under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member and must be approved by the Program Director or Dean. The course will typically involve a major research paper (20-30 pages). Students will submit a proposal prior to the start of the course. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

EXOD299 Sophomore Seminar in Explosive Ordnance Disposal (3 hours)

This course is a culminating course for the Associate of Science in Explosive Ordnance Disposal degree. It is designed to allow the

student to review, analyze and integrate the work the student has completed toward a degree in Explosive Ordnance Disposal. The student will complete an approved academic project or paper that demonstrates his or her grasp of the explosive ordnance disposal field. This is a culminating course to be taken after all other Associate of Science in Explosive Ordnance Disposal courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in the Explosive Ordnance Disposal Program.

FSMT102 Fire Behavior and Combustion (3 hours)

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled. The student can expect to identify physical properties of the three states of matter; categorize the components of fire; recall the physical and chemical properties of fire; describe and apply the process of burning; define and use basic terms and concepts associated with the chemistry and dynamics of fire; discuss the various materials and their relationship to fires as fuel; demonstrate knowledge of the characteristics of water as a fire suppression agent; articulate other suppression agents and strategies; and compare other methods and techniques of fire extinguishments.

FSMT188 Fire Prevention (3 hours)

This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigations, and fire and life safety education. Students can expect to define the national fire problem and its main issues; recognize the need for fire prevention as part of the overall mix of fire protection; recognize the need for fire prevention organizations, review minimum professional qualifications at state and national levels for fire inspectors, investigators, and public educators; define the elements of a plan review program; identify the laws, rules, codes, and other regulations regarding fire prevention; and discuss training, media, and public education programs for fire prevention.

FSMT201 Fire Protection Systems (3 hours)

This course addresses the study of suppression systems and their critical components as well as their application to selected fire protection problems. It will cover the duties, responsibilities and ethical aspects of the Fire Protection Engineer with focus on contract drawings and their relationship to contract specifications, and an actual survey of a large building. It will include the philosophy, history and fundamentals of public and private fire protection, and relations with other disciplines including architecture and the building industry, and will extend to the application of hydraulic theory to a range of design considerations.

FSMT210 Fundamentals of Fire Protection (3 hours)

This course is an overview of fire protection and its related fields. It also covers the philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, and introduction to fire strategy and tactics. Students can expect to describe and discuss components of the history and philosophy of the modern fire service; analyze the basic components of fire as a chemical reaction, examine the major fire phases, and examine the main factors that influence fire spread and behavior; list and describe major emergency response services and illustrate how they interrelate; synthesize roles of national, state, and local support organizations in fire and emergency services; describe the scope of fire and emergency services organization; describe the common fire facilities, equipment, and apparatus; analyze management concepts for emergency situations; and explain fire prevention including code enforcement, public information, and public and private fire protection systems.

FSMT287 Fire Protection in Building Construction (3 hours)

This course is a study in building construction components that relate to fire and life safety, to include a major focus on fire fighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating in emergencies. The student can expect to demonstrate an understanding of building construction as it relates to firefighter safety, building codes, fire prevention, code inspection, and firefighting strategy and tactics; classify major types of building construction; analyze the hazards and tactical considerations associated with the various types of building construction; explain the different loads and stresses that are placed on a building and their interrelationships; identify the principle structural components of buildings and demonstrate an understanding of each function; differentiate between fire

resistance and flame spread, and describe the testing procedures used to establish ratings for each; classify occupancy designations of the building code; and identify the indicators of potential structural failure as they relate to firefighting safety.

FSMT289 Fire Protection Hydraulics and Water Supply (3 hours)

This course is a theoretical study to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and solve water supply problems. The student can expect to apply the application of math and physics to the movement of water in fire suppression activities; comprehend the design principles of fire service pumping apparatus; analyze the community fire flow demand criteria; and demonstrate understanding of hydraulics, water characteristics, fluid pressure, hydrokinetics, Bernoulli's formula, nozzle reaction, friction loss in water conductors, nozzle pressure equation, water distribution systems, Hazen-Williams equation, fire flow tests, determination of required fire flow, fire service pump design and testing, friction loss calculations, engine and nozzle pressure, Underwriter's formula, parallel lines, Wyed lines, aerial stream calculations, relay pumping, mobile water supply, fire streams, four hydraulic laws of friction loss, and fire fighting foams and foam systems.

FSMT299 Sophomore Seminar in Fire Science (3 hours)

This course is a culminating course for the Associate of Science in Fire Science degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Fire Science. The student will complete an approved academic project or paper that demonstrates his or her grasp of the fire science field. This is a culminating course to be taken after all other Associate of Science in Fire Science courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in the Fire Science Program.

FSMT311 Fire Dynamics (3 hours)

This course focuses on fire behavior and includes topics such as fire chemistry, science, interaction with the environment, and reaction to chemical and/or natural elements involved in a response. The student will be able to understand the fundamental principles related to structural fire protection, building furnishings, and fire protection systems. physical properties of the three states of matter. The components and dynamics of fire, the process of burning, suppression agents and strategies, and the methods and techniques of fire extinguishment will be covered in the course.

FSMT320 Fire Protection Structure and System Design (3 hours)

This course examines design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, alarm systems, sprinkler innovations, evaluation of sprinkler system designs, and specialized suppression systems. Advanced fire suppression systems must be properly designed and the occupants must be properly trained to react in concert with the life safety systems and the fire department. Knowing how the different design systems function and how they protect a space or process aids in the interaction with owners, engineers, architects and contractors. The importance of a good relationship between the authority having jurisdiction and those charged with the enforcement of the code is considered.

FSMT321 Community Fire Mitigation and Protection (3 hours)

This course is a study of the leading theory and practice associated with community fire mitigation, planning, protection, response, and recovery. Topics of the course include fire-community relations, community outreach, volunteerism and fire protection, strategic community planning, inter-organizational responses, and other issues. Concepts in Code enforcement, investigations, and the historical, social, and cultural influences on fire prevention are discussed. The students will look at the economic, and governmental and departmental influences on fire prevention. Fire prevention programs will be evaluated and prepared.

FSMT340 Incendiary Fire Analysis and Investigation (3 hours)

This course is designed to meet the levels of mastery established by the National Fire Academy, NFPA 1021 and NFPA 1033. These standards are agreed upon by professionals across the fire service community as the foundational benchmarks that all individuals should know at the completion of this course. This course examines technical, investigative, legal, and managerial approaches to the arson problem, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, gang-related arson, legal considerations and trial preparations, managing the fire investigation unit, intervention and mitigation

strategies, and shaping the future.

FSMT362 Fire Administration and Finance (3 hours)

This course examines the relationship of fire administration and the role of executive fire administrators in the administration of complex issues in a dynamic environment. The course covers political, legal, financial, and ethical issues faced by fire administrators within the context of public administration. Topics include examination of the effects, influences, challenges, and opportunities of public and private fire functions and roles.

FSMT405 Fire Safety and Risk Regulation (3 hours)

This course establishes the foundation of history, knowledge, and processes to assist the Risk Manager or Fire Department Safety Officer achieve his or her goal in preventing firefighter injury and death. The Safety Officer is a position mandated in Hazmat and Terrorism/Homeland Defense responses and it is a good idea for all responses to keep the safety of responders in first place as well as the community. The course includes a study of the leading theories and practices associated with risk management and emergency scene safety. This course focuses on citizen and responder fire safety and risk reduction through prevention, response, and recovery phases of fire operations. Topics include risk reduction planning, equipment, communications, and procedure, among others.

FSMT410 Fire Regulation, Policy, and Law (3 hours)

This course introduces the student to many areas of fire laws and regulations. The main purpose of this course is to introduce you to the laws and regulations that will impact your work. This course enables the student to acquire a basic knowledge of the law in each of the specified subject areas that directly or indirectly affect fire services by providing a basic knowledge of the methodology through which to locate, read and comprehend the various statutes and regulations surrounding fires. This course focuses on public policy, law, and regulation concerning fire mitigation, response, and recovery. Legal issues and risk are addressed as topics in the course, as are general and specific national, state, and local fire regulations and public law.

FSMT475 Applications of Fire Research (3 hours)

This course focuses on the rationale for conducting fire research, various fire protection research activities, and research applications, including fire test standards and codes structural fire safety, automatic detection and suppression, life safety, and fire fighter health and safety. This course examines tools and techniques of rational decision making in fire departments, including databases, statistics, probability, decision analysis, utility modeling, resource allocation, cost-benefit analysis, and linear programming. This course involves selecting a fire-related topic, developing research objectives, a proposal, and a plan using a quantitative or qualitative research design for the completion of a final research paper.

FSMT498 Senior Seminar in Fire Science (3 hours)

THIS COURSE WILL REQUIRE A PROCTORED EXAM. This senior capstone course allows students majoring in fire science to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Fire Science courses have been satisfactorily completed. Student must have SENIOR standing to register.

HLSS211 Emergency Response to Terrorism (3 hours)

This course is designed to provide students with an understanding of terrorism in the world today. The course examines the history of international and domestic terrorist groups, both state and non-state actors. The course covers the legal aspects of terrorism and Weapons of Mass Destruction (WMD), the composition of WMD that threatens the world including chemical weapons, industrial chemical materials, biological agents, radiological and nuclear materials as well as explosives and explosive devices. The course also addresses the impact of the complexities of terrorism and Chemical Biologic Radiological and Nuclear (CBRN) Weapons on the emergency response community. The course will look at the pre-planning, mitigation, response, and recovery stages. The class will examine the actions necessary to bring the event to termination including: protecting the population and emergency responder, the roles of federal regulations to secure that protection; how the event is treated as a crime and the actions necessary to secure evidence and protect the environment.

Undergraduate Course Descriptions

Engineering

ELEN300 Electrical Engineering Fundamentals (4 hours)

The purpose of this course is to present the foundational areas of electrical engineering. The topics touched on in this course will help students determine their area of concentration at APUS. The topics included with varying degrees of emphasis include: Circuit Analysis; Electromagnetic Field Theory; Solid-state electronics; Electric machines; Electric power systems; Digital logic circuits; Computer systems; Electro-optics; Instrumentation systems; Control Systems. Prerequisites: SCIN234 and MATH240

ELEN303 Measurements and Instrumentation (3 hours)

This course will present important measurement techniques and instruments used in electrical engineering. The course provides an overview of the modern International System of Units (SI), including important units outside the SI standard. The course continues by introducing measurement errors, measurement uncertainty, and instrumentation limits on errors. The course introduces measurement elements such as resistors, capacitors, inductors, and laboratory voltage sources, and analog measuring instruments. The course describes compensation measurement methods and introduces AC and DC calibration techniques. Additionally, the course demonstrates the uses and testing methods of instrument transformers, operational amplifiers (op-amps), and oscilloscopes. The course describes the construction of the digital voltmeter and provides an overview of analog to digital converters. Finally, the course describes various measurement systems including the most popular sensors, signal conditioning, computer algorithms, and data acquisition hardware. Prerequisites: SCIN234 and MATH240

ELEN305 Electrical Circuit Analysis (4 hours)

This course presents circuit elements and defines them in terms of their circuit equations. These equations utilize the fundamental laws of circuit analysis. This course will introduce Ohm's law, Kirchhoff's law, and Thevenin and Norton equivalent circuits, and superposition. This includes the introduction of series and parallel circuits, DC/AC circuit's analysis, and power analysis of DC and AC circuits. An introduction to time domain and frequency analysis will be provided. Prerequisites: ELEN300 and ELEN303

ELEN306 Analog Circuit Theory (4 hours)

This course presents basic elements in analog circuit design. Initially operational amplifiers will be discussed, including design and implementation of practical amplifier and feedback circuits. Other analog elements such as diodes and transistors will be introduced combined with previously discussed passive components to design DC power supplies, audio amplifiers, active filters and oscillators along with other applications. Students will gain a fundamental understanding of the key analog circuit components and the basic skills to create and implement practical designs. Prerequisites: ELEN305

ELEN307 Digital Circuit Theory (4 hours)

This course presents digital and logic circuit analysis and design. The course covers six main parts: Boolean algebra and Boolean function simplification; basic logic gates, combinational functional blocks, and combinational circuit design using gates and functional blocks; digital circuit description by VHDL language; basic flip-flops, sequential circuit analysis and design; registers, static and dynamic memories, ROM and RAM, programmable logic devices, and field programmable gate arrays (FPGA's); and register transfer language, basic computer structure, operation and design. Students will be introduced to the concepts of digital circuit theory and design, will practice with circuit analysis software, will gain solid skills to analyze and design digital circuits for various applications, and will get familiar with the structure and operation of a digital processor. Prerequisites: ELEN305

ELEN310 Continuous and Discrete Signals and Systems (4 hours)

This course is presents signal and system description and characterization in the time and frequency domains for linear time-invariant (LTIV) systems. Time domain topics include differential and difference equations; convolution; and Fourier Series. Frequency domain material will incorporate Fourier transforms; Laplace transforms; z-transforms; and system description via transfer functions. The sampling theorem will be addressed. State-space representation of LTIV systems in either the time or frequency domains will be introduced. The course will show students how to characterize and analyze systems in either time or frequency and transform between domains. Students will be shown how to determine and apply a correct technique to either analyze an existing system or design a system to meet specifications. Prerequisites: ELEN300, MATH210, AND MATH240

ELEN312 Energy Conversion Processes and Systems (3 hours)

This course presents concepts related to energy conversion and transport and provides the foundation for understanding power generation and distribution. Energy conversion in electrical, electromagnetic, electromechanical and electrochemical systems will be discussed. Different forms of power generation, both AC and DC, will be covered along with single-phase and three-phase power, transmission lines, and transformers. The course will also cover AC and DC motors, motor control, power measurement, switches and rectifiers. An introduction to power electronics will be also be presented, demonstrating the circuits used to interface both traditional and emerging alternative energy sources to the existing distribution system and homes. The course will center on a practical understanding of individual components and applying this knowledge to discussions of large and small scale energy systems. Students will gain the fundamental skill set to understand our electrical grid and power generation. Prerequisites: ELEN305

ELEN325 Field Theory (3 hours)

This course teaches the physics and applications of electromagnetic field theory as encapsulated in the vector form of Maxwell's equations. The class will show how these laws govern the design and bound the performance of electronic devices, circuits, and systems. This course covers the following topics from field theory to include magnetic materials and forces, inductance, Coulomb's law, Gauss's Law, energy, divergence, electrical potential, conductors, dielectrics materials, capacitance, Ampere's Law, boundary value problems, Biot-Savart Law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. As part of the course, students will develop Maxwell's Equations from electric and magnetic field experimental laws. This course will also cover wave propagation in free space and in transmission lines and characteristics of radiating structures such as antennas. Prerequisites: MATH240

ELEN416 Control Systems Theory and Design (3 hours)

This course covers the basic principles of frequency- and time-domain design techniques. Classical methods covered include Laplace transforms and transfer functions; root locus design; Routh-Hurwitz stability analysis; frequency response methods including Bode, Nyquist, and Nichols; steady state error for standard test signals; second order system approximations; and phase and gain margin and bandwidth. In addition, the state variable method is investigated including full state feedback design, and limitations of state variable feedback. The student will learn to use computers in the analysis and design of control systems. Prerequisites: ELEN310

ELEN420 Communication Systems (3 hours)

The course covers statistical communication theory including amplitude, frequency, and pulse code modulation; description of random process by auto-correlation and power spectral density functions, sources and properties of electrical noise and its effect on communication systems, the effects of modulation, detection and filtering on signal information content, and bandwidth and signal-to-noise ratio. Topics include: a review of signals and systems, power spectral density, amplitude modulation, angle modulation, pulse modulation, a review of probability and random variables, and an introduction to digital transmission systems. Prerequisites: ELEN325 AND MATH302

ELEN421 RF/Microwave Engineering I (3 hours)

This course covers the fundamental concepts of passive microwave circuit analysis and design. Topics include electromagnetic theory, propagation of electromagnetic waves in various transmission media, microwave network analysis, the Smith Chart, impedance matching & tuning, resonators, power dividers, directional couplers, and microwave filters. At the end of this course, you will have an understanding of the key concepts and components associated with passive microwave circuits. Prerequisites: ELEN310 and ELEN420

ELEN422 RF/Microwave Engineering II (4 hours)

This course expands upon the knowledge gained in ELEN410 RF/Microwave Engineering I. It introduces active microwave components and the cascading of components to form microwave circuits, sub-systems, and systems. Topics include amplifiers, mixers, receivers, frequency synthesizers, modulators, wireless systems and typical figures of merit such as gain, noise figure and third order intercept point. At the end of this course, you will have an understanding of the key concepts and basic theories associated with microwave circuits and systems. Prerequisites: ELEN421

ELEN423 Wireless Communications (4 hours)

The course presents fundamental principles underlying the wireless transmission and reception of information, and studies the different parts of a modern wireless communication system. Specifically, the course will touch upon different digital modulation schemes, as well as the design and performance analysis of a transmission and reception end. The concept of diversity and its impact on reception performance (probability of symbol detection error) will be discussed. Channel capacity and channel coding will also be studied. Further, techniques for adaptive modulation and channel equalization used in state-of-the art wireless systems will be presented. Communication using orthogonal frequency division multiplexing (OFDM), as well as spread spectrum techniques will also be covered. Topics in multi-user systems, random access, cellular systems and ad hoc networks will also be covered. The goal of this course is to help students to i) learn about different wireless communication technologies; ii) understand the basic components of a wireless communication system; iii) be able to design basic components in a wireless communication system; and iv) analyze its performance both analytically and numerically. Prerequisites: ELEN420 AND ELEN310

ELEN426 Antennas-Theory and Applications (3 hours)

This course is an in-depth coverage of the basic properties of antenna theory, analysis, and design. Topics covered include radiation patterns; antenna gain and directivity; antenna main lobe and side lobe levels and shaping; system losses; and antenna impedances. Different types of antennas including linear dipoles; horns; slot antennas; and linear and planar array antennas will be examined. Students will be introduced to numerical methods for analysis and modeling as well as the effects of RF frequency on antenna design. Prerequisites: ELEN420

ELEN427 Radar Systems Theory (4 hours)

This course is an in-depth coverage of the theory of radar and RF signal propagation, transmission, and reception. Topics covered include the radar range equation; antenna patterns; target cross section; system losses; calculation of signal-to-interference ratios; detection probability; target scintillation; main lobe and side lobe clutter; and moving target indicator (MTI) and pulse Doppler processing. Radar system hardware including transmitters, receivers, and antennas will be introduced and system block diagrams created. Classification of radar types into search, track, or mapping systems will be discussed. Prerequisites: ELEN420

ELEN430 Embedded Systems Design (3 hours)

The fundamentals of embedded system hardware and firmware design will be covered in this course. The main topics to be discussed are: embedded processor selection, hardware/firmware partitioning, glue logic, circuit design, circuit layout, circuit debugging, development tools, firmware architecture, firmware design, and firmware debugging. The Atmel AVR series microcontroller will be studied. The architecture and instruction set of the microcontroller will be discussed. A microcontroller development board will be utilized as a development and debugging platform. The course will culminate in a significant final project and will include interfacing real world peripherals to the microcontroller to perform some specific task. Depending on the interests of the students and professor, other relevant topics may be covered. Prerequisites: ENTD381 AND ENGR200

ELEN435 Introduction to Power Electronics (4 hours)

This course takes a student with a basic understanding of circuit analysis and introduces them to the functionality, topography, and regulation of power electronic devices. Students will become skilled in power computations based on load design, conversion of DC/DC, DC/AC, AC/DC, and AC/AC circuits, rectifiers, voltage controllers, power supplies, inverters, and operations of semiconductor devices, and basic switching circuits. Students will also delve into software tools with embedded power electronic equations to simulate and investigate the behavior of power electronic circuits under various load settings and heat sync scenarios. They will also utilize software to experiment and manipulate power electronic equations and observe voltage and current waveforms. Prerequisites: ELEN306 AND ELEN325

ELEN436 Advanced Power Electronics (4 hours)

This course takes a student with prior knowledge of electrical machines, power converters, and linear control systems and provides knowledge of advances in power electronics such as modeling DC motor drives and machines, various modes of operation, multi-phase control converters and choppers. Students will design multiple-order transfer functions, experiment with closed loop operation of DC motor drives, a speed controlled drive system, pulse-width modulation and steady state analysis. The skills gained in this course will enable students to perform various tasks related to high power semiconductor devices, digital signal processing, and efficient electrical energy. Motor drives have wide spread applications in today's industry such as machine

tools, elevators, cranes, transportation, and an extensive list of other modern applications. Prerequisite: ELEN435

ELEN440 Mechatronics (4 hours)

This course covers the foundational concepts in mechatronics. It introduces students to the required skills necessary to design a complete mechatronic system. Students will learn about the use and integration of sensors, actuators, microcontrollers, and various types of software required to interact with hardware. Students will gain a system-of-systems approach to designing a complete mechatronics system and how to structure and interface to electromechanical systems. They will also gain practical experience through laboratory exercises in design of graphical user interfaces and real-time operating systems needed to control mechatronic systems. Students will also design feedback control systems with time and task constraints. Prerequisites: ELEN312 AND ELEN416

ELEN498 Senior Seminar Design (3 hours)

This seminar is a senior-level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in electrical engineering. The student will design an approved project that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Prerequisite: Student must have Senior standing in our Engineering program and Program Director approval to register.

ELEN499 Senior Seminar Project (3 hours)

After completing the design of their approved project in ELEN498 - Senior Seminar Design, students will implement that design into a working prototype and write a senior thesis. The senior thesis will be completed and an oral defense presented. Selected senior papers will be retained in our library. The student is further encouraged to submit work to peer reviewed journals, conference proceedings, and/or senior design competitions. Prerequisite: ELEN498

ENGR200 Introduction to Engineering and Computing (3 hours)

This course provides an overview of the engineering profession and introduces the student to writing computer programs. The course provides information about different engineering disciplines and gives an overview of electrical engineering. The APUS electrical engineering concentrations are introduced and it describes what career opportunities are available in those concentrations. Additional Engineering subjects are presented including Engineering Ethics and Management. The class presents the principles of structured programming using the C++ language. The course is designed for engineering students without previous programming experience. Topics include: Introductions to computers, C++ programming, classes, objects, strings, control statements, recursion, functions, arrays, vectors, and pointers. Finally, an introductory engineering design problem will be presented which gives the students an opportunity to solve a problem.

ENGR300 Fundamentals of Mechanical Engineering (3 hours)

This course presents the fundamental mechanical principles of engineering required for any course of study in the engineering sciences. The student will be introduced to the principles and applications of statics, dynamics, thermodynamics and heat transfer. Students will study the interaction between mechanical and electrical systems and apply analogies between the two. Topics include: Technical problem solving and communication skills; Forces in Structures and Machines; Materials and Stresses; Fluids Engineering; Thermal and Energy Systems; Motion and Power Transmission. Finally, the course will present the essentials of the mechanical engineering profession and where it fits in the world of technology. Prerequisites: SCIN234 and MATH240

Undergraduate Course Descriptions

English

ENGL099 Principles of Composition (3 hours)

Principles of Composition is an introductory writing course that addresses sentence structure, paragraph organization, and essay cohesion, all while developing the student's writing style. Academic credit is awarded; however, this credit cannot be applied toward degree requirements.

ENGL100 The Processes & Principles of Composition (3 hours)

This course provides instruction and practice in the fundamentals of English grammar and usage in addition to the processes of writing: invention strategies, drafting, critical reading, researching, collaborating, sharing, revising, editing, and copy editing. In particular, this course provides extensive practice in narrative, descriptive, and expository writing, using supplementary readings as models of form and to generate subject matter for composition. This course does not fulfill the English General Education Requirements, but it can be used as elective credit.

ENGL101 Proficiency in Writing (3 hours)

This course provides instruction in the writing process with a focus on self-expressive and expository essays, and will include practice in the conventions of standard written English, responding to readings, and incorporating sources into essays with appropriate documentation.

ENGL102 Effectiveness in Writing (3 hours)

This course provides instruction in the writing process with a focus on persuasive and argumentative essays, and will include practice in developing a distinctive style, the methods of effective reasoning, library and on-line research. A formal research project is required. (Prerequisite: ENGL101).

ENGL120 Creative Writing (3 hours)

This course will give students the opportunity to study the elements of fictional writing. Students will experiment with a variety of forms, including poetry, fiction, and drama. (Prerequisite: ENGL101).

ENGL200 Composition and Literature (3 hours)

This course is designed to focus on critical reading and writing skills. It emphasizes reading and writing by enabling students to experience literature as one of many forms of language and offers effective ways of highlighting reading strategies in a number of different contexts. (Prerequisite: ENGL101).

ENGL220 Technical Writing (3 hours)

This course will focus on the kinds of communication typically found in the workplace, and will include the major concepts of technical writing: audience analysis, ethics, collaboration, graphics and design, concepts common to all types of technical communication. In this course, the student will prepare letters, memos, instructions, proposals, and written and oral reports. Because the Internet has become an important tool in the workplace, it will also cover the basics of using the Internet as a research tool. (Prerequisite: ENGL101).

ENGL221 Scientific Writing (3 hours)

Students will explore the unique structure, style, process, and documentation found in scientific writing. Through the use of a variety of scientific literary examples, students will apply the research and writing process most effective for objective scientific writing. In addition to interacting on a weekly basis, students will work collaboratively to complete a multi-faceted project. (Prerequisite: ENGL101)

ENGL225 Business Writing (3 hours)

This course teaches students how to communicate professionally in the business community. It emphasizes business language and style. Included in the course are exercises that instruct students how to write clear, well-structured, effective letters, bulletins, e-mails, instructions, memos, manuals, reports, and other business writing. (Prerequisite: ENGL101).

ENGL230 Introduction to Linguistics (3 hours)

This course presents modern linguistic theories and their application to literature and teaching of English. Included will be an examination of how various grammatical models represent the complexities of sound, sequence, and structure of language. Also included will be the topics of word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, grammar, and language planning in teaching English. (Prerequisite: ENGL101)

ENGL320 Freelance Writing (3 hours)

This course is designed to help students become knowledgeable and productive freelance writers. It will help them prepare written articles for publication in magazines and newspapers. Writing assignments will parallel the study of a current text and will result in submissions designed for publication and sale. (Prerequisite: ENGL101).

ENGL321 Screenwriting (3 hours)

This course is an introduction to screenwriting. Students will complete a fully developed screenplay by the end of the course. From logline to story arc to beat to la fin, students will advance their art of storytelling, practice weaving intricate, spellbinding plots, and evolve a personal genre style and concept for film projects. (Prerequisite: ENGL120)

ENGL322 The Personal Essay (3 hours)

This course will focus on the expression of personal experiences. Students will read personal essays and study the various forms. They will also learn how to be a compelling first-person narrator and use voice, setting, structure, theme, and style to craft their own personal essays. Prerequisite: ENGL120.

ENGL401 History of the English Language (3 hours)

This course will provide students with a foundation in the history and linguistics of the English language. The course will emphasize social, political, and other external historical events influencing language change, as well as the internal history of the language. Attention will be given to the various language systems (personal identity, phonetics, phonology, morphology, graphics, syntax, lexicon, language variation, historical linguistics, language and the brain, and semantics), as well as to the literature from the different historical periods. (Prerequisite: ENGL101).

ENGL420 Advanced Creative Writing (3 hours)

This course extends the writing approaches and practices encountered in ENGL120. Students will continue to explore ways to generate ideas for stories, but a more central focus will be on deepening existing writings and finding new challenges in familiar material. Students will also explore additional types of storytelling, such as prose poetry, flash fiction, screenwriting, and visual poetry. Students will explore their own “voice” and develop a writing process unique to themselves. (Prerequisite: ENGL120).

ENGL421 The Novella (3 hours)

This course teaches students the strategies necessary to write their own original novella. The class emphasizes the importance of the elements of narration, description, and dialogue, along with invention, drafting, and revision, to this process. Drafts are workshopped among peers throughout the term to promote the exchange of constructive critical thinking. (Prerequisite: ENGL120)

ENGL498 Senior Seminar in English (3 hours)

The culminating point of an undergraduate's career, this senior course offers students the rhetorical knowledge and research practices needed to write and to research successfully in any discourse community within which they might find themselves—as students, professionals, and citizens. While university students are projected to make several career changes within their working lifetimes, these transitions and the challenges of their complex personal and public lives will require critical thinking skills and informed flexibility. This course is designed to polish students' writing, analytical, and English skills so that they may confidently confront the challenges and demands of specialized research and written communication. According to their affinity, seniors are invited to pursue literary interests in the compositions of this course, and conduct research in other academic or professional areas. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other English courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Environmental Science

EVSP110 Introduction to Hazardous Waste Management (3 hours)

This course is an introduction to hazardous waste management. Its course topics include history of hazardous waste management in the United States; an overview of the hazardous waste industry in the United States; the major political, legal, managerial, and handling issues associated with hazardous waste; and the dangers and repercussions on individuals and society for poorly handled hazardous waste.

EVSP111 Hazardous Waste and Public Law (3 hours)

This course addresses the public laws and regulations associated with hazardous waste management. Course topics include major environmental laws that focus on hazardous waste, environmental auditing, and, industrial wastewater regulations, among others.

EVSP201 Environmental Economics (3 hours)

This course focuses on the design of environmental policy under uncertainty and asymmetric information. Topics include the theory of public goods, theory of renewable and non-renewable resources, externalities and common pool resources, the theory of pollution and pollution control, and trade-environment issues.

EVSP210 Hazardous Waste Treatment and Disposal (3 hours)

This course is a study of waste accumulation, storage and disposal options, pollution prevention, remediation and cleanup, underground storage tank management, and chemical life-cycle tracking. Some basic chemistry is covered as well as physical chemical treatment for neutralization, oxidation-reduction, metals removal, and hazardous materials destruction. Filtration, ion exchange, and reverse osmosis are discussed. Chemical feed systems, sludge handling, and dewatering are also presented.

EVSP220 Emergency Spill Response (3 hours)

This course is a study of the planning, preparation, response, and recovery from a hazardous materials spill in industrial or transportation settings. Course topics will include processes associated with materials identification, on-site responsibilities, reporting requirements, and safe return to normalcy.

EVSP310 Water Science (3 hours)

An overview course on water sources, uses, management and conservation; biological, economic, and health issues. The course will use chemical and engineering approaches to water and waste water treatment. It includes studies for assessing chemicals in water and waste water. Students will cover the application of standardized analytical methods for evaluating water quality.

EVSP311 Soil Science (3 hours)

A fundamental study of soil properties and reactions critical to the evaluation of how contaminants, as well as essential nutrients, behave in the soil environment. Interactions of potential pollutants with soils and the aquatic and atmospheric environments are emphasized. Methods of soil management or remediation to minimize pollution are presented.

EVSP312 Introduction to Sustainability (3 hours)

This course will introduce students to the principles of environmental sustainability. Students will explore various aspects of sustainability, including energy use, industrial processes, waste generation and disposal, and the built environment. As part of the focus on solutions, the course will introduce students to tools society can use to attain and implement sustainable practices, such as policy, law, education and communication, marketing, research advocacy, and international agreements and collaboration.

EVSP316 U.S. Federal Environmental Organization (3 hours)

This course is a study of the environmental organization at the federal level, to include duties and responsibilities of federal environmentally-focused agencies, non-environmental agencies and organizations that have environmental impact or related responsibilities, and other federal administrative issues focused on environmental bureaucracy, contracting, and/or outsourcing to

private organizations.

EVSP317 Environmental Enforcement (3 hours)

Nearly all environmental programs are predicated on getting permittees to take effective action to end non-compliance or non-permitted activities. This often happens voluntarily, but in some instances formal enforcement action must be taken by environmental agencies such as EPA or state agencies. This action may be civil or criminal, it may involve a fine, it may involve supplemental environmental projects, but it will always require the environmental problem be put right. This course will examine the entire enforcement process including the decision tree and options at each branch point. It will discuss the issues of standing, punishment versus deterrence, legal searches, and the rights of permittees and individuals.

EVSP320 Energy and Resource Sustainability (3 hours)

This course will introduce students to current and future trends in energy technology, policy, and sustainability. It will address topics such as resource sustainability, relevant aspects of economics, sociology of innovation diffusion, product design principles, and the environmental impacts of existing and emerging energy technologies. Analysis of the range of current and future energy choices will be stressed, as well as the role of energy in determining local environmental conditions and the global climate.

EVSP321 Land Use and Planning (3 hours)

This course will introduce students to the basic methods of land use planning, including: goal development and formalization, planning intelligence and information systems, population forecasting, land use forecasting, land suitability analysis, land use location requirements, land classification planning, natural/sustainable land use design, and the analysis of regional or local land use plans. Through lecture, discussion, case studies, and assignments, the class will examine fundamental land use controls (i.e., General Plans and Zoning), land use policy, and contemporary land use management techniques.

EVSP322 Remote Sensing and Geographic Information Systems (3 hours)

This course illustrates the fundamental concepts of GIS and remote sensing technologies in the context of land use planning and management. Topics include the physical basis for remote sensing, remote sensing systems, digital image processing, data structures, database design, and spatial data analysis. The course is not intended to provide students with extensive training in particular image processing or GIS packages, however, course exercises and the final project will require GIS data analysis and presentation skills.

EVSP330 Fish and Wildlife Policies, Programs, and Issues (3 hours)

This course focuses on national fish and wildlife policy, programs, and contemporary issues. Topics addressed in the course include historical and contemporary fish and wildlife policy; major fish and wildlife federal, state, and local programs; economic incentives and disincentives associated with fish and wildlife; and non-U.S. approaches to fish and wildlife issues.

EVSP331 Public Lands Management (3 hours)

This course focuses on the federal, state, and local agencies, policies, strategies, and public law that influences the public lands management of the United States, and, to a lesser extent, other countries. The focus of the course is the historical and contemporary land management approaches used to protect, exploit, manage, and/or use public lands in the United States. Topics include jurisdictional issues over public land, federal agencies involved in land management, state and local issues and land management, and contemporary issues associated with land management in the 21st Century.

EVSP341 Introduction to Wildlife Management (3 hours)

The course explores conceptually the ecological knowledge needed for wildlife conservation, including how species behavior and life history evolves and ultimately how that shapes wildlife populations. Traditional wildlife management topics will be included, along with an added emphasis on ethological implications that affect biological diversity. In addition, human behavior and its impact on wildlife populations and diversity will be studied through case studies, scientific literature, and assigned readings.

EVSP342 Population Ecology (3 hours)

This course examines the fundamental laws of population ecology, providing an overview of the underpinnings of population theory. Emphasis is placed on these principles as applied to conservation and management of fish and wildlife populations. Topics include assessing extinction risk of rare species, invasion dynamics of exotic species, demographic and environmental

stochasticity, metapopulation dynamics, structured populations, the role of species interactions, interspecific interactions, and micro-evolutionary processes. Use of case studies will demonstrate the application of population ecology models and methods to the management of fish and wildlife populations, and provide the opportunity to apply concepts to current problems and challenges in this field.

EVSP411 Environmental Policy, Regulation, and Law (3 hours)

This course is an introduction to environmental policy, regulation, and law in the U.S. Subjects covered will include command and control of regulation, air quality, water quality, control of toxic materials, waste management, energy, and natural resources.

EVSP412 Environmental Management Systems (3 hours)

A major trend among world corporations and public agencies is the creation of formal environmental management systems. Official certification of such plans by a third party auditor marks the end of planning and the start of implementation. ISO 14001 certification is a complicated and labor-intensive process, but it can bring great tangible and intangible benefits. This course will study the process, and then apply it to six case studies.

EVSP413 Environmental and Ecosystems Management (3 hours)

This course focuses on contemporary theories and practices associated with environmental and ecosystems management. Industrial, economic, commercial, political, developmental, and other issues and concerns that influence environmental and ecosystems management are addressed.

EVSP414 Air Quality Management (3 hours)

In this course, the student will examine types of outdoor and indoor air pollutants, their sources, health effects, environmental and aesthetic effects, and methods of measurement and control. An in-depth review of the regulatory framework for air quality in the U.S. and related international treaties and agreements will be explored.

EVSP415 Environmental Impact Assessment (3 hours)

This course focuses on the processes, tools, and techniques used to analyze environmental problems, establish state and federal standards, develop environmental impact statements, and make decisions regarding the environment. Students will analyze actual problems, study real environmental impact cases, and learn to use various environmental impact methodologies.

EVSP416 General Ecology (3 hours)

This course provides an intensive treatment of the field of ecology. Ecology is the scientific study of the interactions among organisms and their environment, which explains the distribution and dynamics of organisms, their traits, and the effects that they have on the natural world. Students will learn that ecology is an integrative discipline that draws from various fields of biology (physiology, morphology, behavior, evolution) and natural sciences (e.g., geology and chemistry), as well as other disciplines (e.g., economics and social sciences). The focus of the course will be on identifying and recommending solutions to ecological problems, e.g., habitat destruction and fragmentation, biodiversity, global environmental change, desertification, acidification of the oceans, and others.

EVSP417 Conservation Biology (3 hours)

This course examines the fundamental biological and ecological principles of conservation biology. Instruction covers measures of biological diversity, species concepts, genetics of small population viability analysis, and metapopulation dynamics; habitat fragmentation including edge effects, corridors and patch dynamics; reserve design principles; setting biodiversity priorities; and monitoring indices. Changes in land use patterns and the science of Landscape Ecology are also investigated. Current conservation techniques are reviewed through the use of case studies and computer exercises.

EVSP418 Green Infrastructure and Renewable Technologies (3 hours)

This course will introduce students to the concepts of green infrastructure planning and design and the implementation of renewable technologies. The framework presented for planning and design will focus on increasing the performance of green infrastructure systems. Students will examine case studies and participate in exercises to develop richly layered, interconnected, and sustainable communities that increase human health and ecological resilience

EVSP421 Water Resources Management (3 hours)

This course is designed to review the practical application of watershed planning as a tool to manage land, water, and ecosystem resources. Students will explore the public policies and practices of watershed planning by examining case studies in water supply, water quality, drought, floodplain, and storm water management in the U.S. The watershed management curriculum will utilize a multi-disciplinary approach, involving the fields of geography, environmental science, geology, public policy, urban and regional land planning, geographic information systems (GIS) and engineering.

EVSP430 Pollution and Pollution Management (3 hours)

This course focuses on pollution, its influence on the environment and ecosystems, and the major strategies designed to prevent or contain it. Topics include basic principles in pollution management, air pollution, marine and freshwater pollution, managing radiation, and the influence of society on pollution management. No prior experience with pollution management is needed, although the student is expected to have enthusiasm for the subject matter.

EVSP499 Senior Seminar in Environmental Studies (3 hours)

Analyses of specific issues will be conducted that will include a review of federal environmental organizations, regulations, and their integration with policymaking and decision-making. Students will review and analyze the environmental problem solving process with consideration for the economic, social, and security implications of these decisions on national and global scales. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. This is a capstone course to be taken after all other Environmental Studies courses have been satisfactorily completed or concurrently with courses as the student completes the last courses in EVSP. Students must have SENIOR standing to enroll.

Undergraduate Course Descriptions

Finance and Accounting

ACCT100 Accounting I (3 hours)

Introduction to the purposes of financial accounting statements and the recognition, measurement, and disclosure concepts and methods underlying financial statements. Focus is on using and interpreting financial statements and on understanding the impact of transactions and events on financial statements and financial ratios. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: MATH110, MATH111 or MATH225)

ACCT101 Accounting II (3 hours)

A continuation of Accounting I, this course includes study of managerial concepts, analysis of financial statements, internal controls, and contemporary accounting standards, practices, and issues. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT100).

ACCT105 Accounting for Non Accounting Majors (3 hours)

This course is an overview of accounting concepts used by managers in a business environment intended for non-accounting majors with no accounting background. Topics include accounting concepts, users of accounting information, elements and purpose of financial statements, accrual accounting, internal control and basic financial analysis. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT202 Introduction to Payroll (3 hours)

This course provides a foundation in payroll accounting, administration, and management. Learn to complete payroll calculations for earnings, taxes, and withholdings; maintain personnel records; and analyze payroll transactions. This course is intended for accounting students and professionals with a need to understand payroll basics. Prerequisite: ACCT100

ACCT300 Financial Accounting (3 hours)

As study of financial accounting to expose the student to a wide range of accounting topics. Topics include generally accepted accounting principles, assets and liabilities, debits and credits, accrual and cash based accounting, merchandising and inventory, the accounting cycle, internal controls, capital stock, income reporting, liabilities, cash flow, budgeting, planning and control. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT301 Intermediate Accounting I (3 hours)

This course examines the accounting process including the adoption of the International Accounting standards (IAS) and reporting of financial reporting (e.g., balance sheet, income statement, and statement of cash flows). Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT302 Intermediate Accounting II (3 hours)

Students will study accounting theory and practices associated with corporate accounting issues of pensions, leases, bonds, and investments and earnings per share. Students will also study the effects of time value of money and how it applies to business decisions. An in-depth analysis of liabilities, stockholder's equity, and accounting changes and errors analysis are also reviewed in this course. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT301)

ACCT303 Intermediate Accounting III (3 hours)

A survey of the financial reporting process, a detailed study of financial statements, and an analysis of generally accepted accounting principles. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT302)

ACCT305 Accounting Information Systems (3 hours)

This course applies the practical application of accrual-basis accounting through the use of accounting software. Students will gain experience in integrated software designed to handle general ledger, accounts payable, accounts receivable, financial statement analysis, fixed assets, sales order processing, inventory, and payroll. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT400 Auditing (3 hours)

This course examines the role of the auditor in a global business environment. The course covers the scope of auditing, the rules governing the professional ethics of the Certified Public Accountant, the auditing process, and the legal liabilities and responsibilities of an auditor. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT303)

ACCT401 Cost Accounting (3 hours)

Cost accounting identifies the essential data to managers regarding planning and controlling, costing products and services, and customers. The student studies the basic concepts, analyses, uses, and procedures related to types of costs and costing systems. This course will concentrate on examination of the concepts, theories, principles, and practices of cost accounting. Students will develop quantitative and qualitative methods for analyzing raw data that support the business decision-making process and inventory costing. Prerequisite: ACCT101

ACCT405 Managerial Accounting (3 hours)

Students will analyze how internal accounting information can be used to support management in planning and controlling business activities. Topics covered range from (analysis of) financial statement analysis, job order cost systems, cost-volume-profit analysis, budgeting, performance evaluation using standard costs, differential analysis, and product pricing. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: Intermediate Accounting-ACCT301 or Equivalent)

ACCT410 Governmental and Not-for-Profit Accounting (3 hours)

This course emphasizes the accounting principles and reporting requirements for government units and not-for-profit entities. Topics include the accounting cycle, budgeting and fund accounting, and accounting for state and local governments, colleges and universities, and for not-for-profit organizations. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite ACCT301)

ACCT415 Law for Accountants (3 hours)

To develop a sound understanding of the nature of law and an appreciation of the role of law within which an Accountant operates. A study of an area of law of particular importance to business, including contracts, sales, negotiable instruments, secured transactions, agency, partnerships, and corporations. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT420 Individual Federal Taxes (3 hours)

Students will be introduced to procedures for analyzing tax information on an individual federal tax basis. The following material will be covered in this course: analysis of gross income, income exclusions, adjusted gross income, deductions, exemptions, and credits. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT100)

ACCT499 Senior Seminar in Accounting (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Accounting. The students will examine a number of real-world cases that relate to auditing and accounting issues, and students will prepare an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students must complete ALL Core and Major courses prior to this course. Students must have access to Microsoft Word and Microsoft Excel software. Students must have a SENIOR standing to register.

FINC300 Foundations of Financial Management (3 hours)

This course is an overview study of the concepts and techniques in finance for non-financial managers. The course will cover basic financial tools and principles for both small and large business. Topics include financial and securities markets, financial statements and analysis, capital budgeting, management, and decision-making. Students must have access to Microsoft Word and Microsoft Excel software.

FINC400 Principles of Financial Management (3 hours)

This course is an overview study of the concepts and techniques in corporate finance. Topics include investments, financial environment, securities markets, financial markets, financial statements and analysis, working capital management, capital

budgeting, cost of capital, dividend policy, asset valuation, and decision-making. Students must have access to Microsoft Word and Microsoft Excel software.

FINC405 Budget Development and Execution (3 hours)

This course provides an in-depth focus and analysis of the four phases of the budget cycle -- formulation, review, execution and audit. It also explores the purposes of budget, including line-item budgeting, performance budgeting, zero-based budgeting and capital budgeting. Students must have access to Microsoft Word and Microsoft Excel software.

FINC410 International Finance (3 hours)

This course is designed to give the student a better understanding of the unique problems and opportunities presented by international business. Since the special emphasis of this course is finance, the course will focus considerable attention on specific topics of international finance such as foreign exchange markets and managing exchange rate risk. Students must have access to Microsoft Word and Microsoft Excel software.

Undergraduate Course Descriptions

Foreign Languages

ARAB100 Arabic I (3 hours)

This course will introduce the student to the fundamentals of the Arabic language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of Arabic speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

ARAB101 Arabic II (3 hours)

This course is a continuation of ARAB100, Arabic I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. (Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

CHIN100 Chinese I (Mandarin) (3 hours)

This course will introduce the student to the fundamentals of the Chinese language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about Chinese culture. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

CHIN101 Chinese II (Mandarin) (3 hours)

This course is a continuation of CHIN100, Chinese I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

FREN100 French I (3 hours)

This course will introduce the student to the fundamentals of the French language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of French speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are

unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

FREN101 French II (3 hours)

This course is a continuation of FREN100, French I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

FREN201 Intermediate French Literature: Le Roman (3 hours)

This course is an extensive experience in reading a novel in French with the intent to grasp the meaning and the ideas in the foreign language without depending on or carrying out word for word translation.

GERM100 German I (3 hours)

This course will introduce the student to the fundamentals of the German language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of German speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

GERM101 German II (3 hours)

This course is a continuation of GERM100, German I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

RUSS100 Russian I (3 hours)

This course will introduce the student to the fundamentals of the Russian language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about Russian culture. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

RUSS101 Russian II (3 hours)

This course is a continuation of RUSS100, Russian I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing

exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. •The ability to download and install the speech component. •A working microphone installed on the computer for speech recognition. •Access to streaming media is also required and should be confirmed before registering for the class.

SPAN100 Spanish I (3 hours)

This course will expose the student to the fundamentals of the Spanish language. The student will learn basic vocabulary, verb conjugations and grammatical usage through workbook and listening exercises. The student will also learn about the Spanish culture through reading and listening exercises. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

SPAN101 Spanish II (3 hours)

This course is a continuation of SPAN100, Spanish I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. Workbook and listening exercises will be a major component of the course. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

SPAN201 Intermediate Spanish Literacy: La Novela (3 hours)

This course is an extensive experience in reading a novel in Spanish with the intent to grasp the meaning and the ideas in the foreign language without depending on or carrying out word for word translation.

Undergraduate Course Descriptions

Foundations

COLL099 Classroom Success (0 hours)

This course will help students succeed in the APUS classroom environment. It introduces the student to the Sakai learning management system. APA citation style will also be reviewed as well as current policies on plagiarism and how to avoid it. Last, classroom expectations will be covered. This course is not for credit towards any program requirements and registration should be only for those students enrolled in an Undergraduate Learning Tracks Program.

COLL100 Foundations of Online Learning (3 hours)

This course is designed to provide a solid foundation for undergraduate study in the online environment. Students will be introduced to learning theory, the tools available in the online classroom and campus, and online research. Identification of personal learning style allows students to improve their study/learning techniques and prepares them to succeed in college level courses. Students will be introduced to formatting and citation styles. APUS policy and procedure is addressed. There is an emphasis on written communication to assist students in the transition to the online environment.

COLL102 Learning Strategies (3 hours)

This course is designed to assist students in mastering and applying the learning skills and cognitive processes required for successful college-level work. In addition, the course is a foundational piece of the Pathways to Success strategy to return student to good academic standing.

COLL200 Prior Learning Assessment Seminar (3 hours)

This course provides a structured series of activities designed to provide the student with a systematic approach to petition for credit for learning obtained outside a traditional classroom. Students will learn to differentiate between experience, experiential learning, and learning by experience. They will analyze their personal knowledge, skills, and abilities and leverage them to develop and achieve educational goals as they learn about learning styles and theories. Students will identify prior learning and will be introduced to methods by which they can demonstrate that learning. Students will develop and submit at least one portfolio for assessment. Students are able to submit portfolios for additional classes after course completion. The evaluation fee for additional portfolios is \$250 per portfolio. NOTE: students must be admitted to the PLA program before registering for this course. For information about the prior learning assessment program admission requirements, please visit <http://www.amu.apus.edu/admissions/general-information/pla.htm> or <http://www.apu.apus.edu/admissions/general-information/pla.htm>

COLL300 Research, Analysis, and Writing (3 hours)

This course outlines basic study and research techniques, the use of libraries, and the importance of research methodology and analysis across disciplines. It is a writing intensive course that requires a sound understanding of written communication. Students enrolling in this course should be familiar with proper citations and documentation, grammar and syntax, organizing their writing, and parts of a paper. (Prerequisite: ENGL102 or ENGL200).

COLL498 Senior Seminar in General Studies (3 hours)

The capstone course is designed to polish students' writing, analytical, and research skills from the variety of discipline areas studied so that he or she may confidently confront the challenges and demands of specialized research and written communication. This course provides students with the opportunity to complete an approved academic research exercise or other creative scholarly activity resulting in a tangible product that demonstrates synthesis of a student's coursework and substantial knowledge of a selected field of study or cross-disciplinary interest. The course also addresses the notion of capstone by considering overall academic accomplishments in light of specific personal and career goals. This course is to be taken as the LAST course in the General Studies program. (Prerequisite: COLL300 AND Senior Standing)

IRLS200 Information Literacy and Global Citizenship (3 hours)

Information Literacy and Global Citizenship builds students' information literacy skills in the international relations/global studies

context. Students analyze scholarly sources in the discipline, identifying the types of issues and questions scholars pursue, the discursive conventions they employ, and their methods of engaging in dialogue with and citing sources. After identifying their own discipline specific research question, students select and use appropriate research tools, developing complex search strategies that help them to find relevant scholarly information on their topics. They evaluate sources and information to determine their authority, reliability, timeliness as well as the quality and underlying assumptions of the arguments presented. They synthesize the information they've found with their own ideas, effectively integrating source material into their papers and citing that material appropriately. Finally, the course asks students to reflect upon the ways in which the information literacy skills they've acquired provide a foundation for both global citizenship and lifelong learning. NOTE: Students may not earn credit for both IRLS200 and previous course IRLS303.

Undergraduate Course Descriptions

History

HIST101 American History to 1877 (3 hours)

This course is a survey of United States history from the earliest European settlements in North America through the end of Reconstruction and emphasizes our nation's political, economic, and social development, the evolution of its institutions, and the causes and consequences of its principal wars.

HIST102 American History since 1877 (3 hours)

This course is a survey of history of the United States from the end of Reconstruction to modern times. Emphasis will be placed on internal expansion, inherent isolationism, America's road to becoming a world power, and the development of the concept of America as the "policeman" of the world.

HIST111 World Civilization before 1650 (3 hours)

This course is a survey of the history of the human community from the dawn of civilization to 1650. Emphasis is placed on the origins and achievements of the core civilizations of Asia, Europe, Africa and the Western Hemisphere. It stresses the interrelations of societies and cultures of the past, comparing and contrasting the experiences of peoples and civilizations with one another.

HIST112 World Civilization since 1650 (3 hours)

This course is a survey course in the history of the human community from 1650 to the present. It covers the origins, development and achievements of the major civilizations and stresses the interrelations of societies and cultures of the past, comparing the experience of peoples and civilizations with one another.

HIST121 Western Civilization before The Thirty Years War (3 hours)

This course is a survey of the history and culture of the Western Civilization from the ancient civilizations of the Near East, through the rise of the classical civilizations of Greece and Rome, to the beginnings of Europe's Early Modern period. Emphasis is placed on the examination of the major political, social, economic and religious developments of European history.

HIST122 Western Civilization since The Thirty Years War (3 hours)

This course is a study of the history and culture of the Western world, from the beginnings of Europe's Early Modern Period to the present. It covers the major political, social, economic, religious and cultural developments, since the thirty years war.

HIST213 History of Women in the United States (3 hours)

This course has been designed as an introduction to the history of women in the United States from the colonial period to the present. It will be surveying the field of American women's history in order to understand how specific political, social and economic transformations in the nation's past have affected the female half of the population. Throughout, it will remain attuned to ethnic and racial diversity and to regional differences and class distinctions in the lives of U.S. women. It will look at women's culture, as distinct from the dominant male culture, and analyze women's writings, art, life cycles and sexuality. It will work to understand the collective lives of women as workers, family members, reformers, and political activists as well as the individual experiences of women in the U.S. from the colonial era into the 21st Century.

HIST214 History of Latinos in the United States (3 hours)

Latinos are the fastest growing minority in the United States and have played key roles in U.S. history. This course surveys the history of the Latino experience in the United States from a political, economic and cultural standpoint. Discover the difference between a "Hispanic" and a "Latino." Understand the intricacies of controversial issues such as immigration, and learn how this group has been influential in the past and is becoming increasingly important in the U.S.

HIST221 African-American History before 1877 (3 hours)

This course examines the complex and varied experiences of African Americans from slavery to 1877. Topics include West African roots, the middle passage, American slavery and resistance, the development of racism, the Civil War, and Reconstruction. The

course will examine internal and external factors that shaped the black historical experience economically, culturally, and politically. While the class is designed to proceed chronologically, important themes such as the development of racism, abolitionist thought, the slave community, and the impact of free blacks will be emphasized.

HIST222 African-American History since 1877 (3 hours)

This course surveys the economic, cultural, and political facets of the African American experience from 1877 to the present. Topics of African American history will be examined, such as Jim Crow laws, the Harlem Renaissance, the Civil Rights Movement, and Black Power. While the class is designed to proceed chronologically, themes such as military and diplomatic policies, migration and urbanization, black political thought, and popular culture will be emphasized.

HIST223 History of the American Indian (3 hours)

This course surveys American Indian history from before Columbus to the present. It emphasizes the American Indians’ political, economic, and social development, the emergence of the principles that guided them into the 21st century, the evolution of its institutions, and the causes and consequences of its principal wars.

HIST225 West Virginia Studies (3 hours)

In this course, students will review the geographical, cultural, economic, and political aspects of the state with an emphasis on the events leading up to statehood and beyond. Local traditions and state sectional patterns are stressed and examined in the context of assimilation into the national body politic.

HIST230 History of East Asia (3 hours)

This survey course traces China’s social, political, and cultural developments from the dynastic period to the present. Through this process, this course will examine the Chinese dynastic system, the rise of Confucianism, the adoption of Buddhism, technological developments, and explores the great diversity and impressive continuities of traditional Asian civilization. Additionally, students will explore the historical transformations that have led to the development of modern Asia as well as how China has historically impacted all of Asia. No prerequisite.

HIST270 History of Science (3 hours)

Science is unquestionably central in shaping our modern world. Though often directed by the “big science” efforts of universities, global corporations, and nations, it is the individual scientist that populates these scientific communities. It is at this individual level, both professionally and personally, that science touches us most directly. Students earn advanced degrees in a wide range of specialties like physics, biology, and chemistry. Science is also a central component in related fields of medicine, geology, genetics, ecology, cosmology, and technology. On the personal level we encounter science everyday when we eat genetically enhanced food, take complicated medicines to combat illness, debate the origins of life, strive to understand new information about ourselves in the universe, use advanced technologies, and in many more ways. These scientific developments do not emerge instantaneously from a vacuum. To fully understand science, one must have an appreciation of its history and how it has developed over time. The latest scientific advance is merely a snapshot of the present, and only looking at this image obscures our appreciation of the dynamic interaction between science and culture, and the ways that national, institutional, and individual goals have determined its trajectory. This broader perspective, gained only by the study of the history of science, serves as our central mission in this class.

HIST290 History of the Holocaust (3 hours)

This course is an overview of the major historical, political, cultural, religious, and military issues associated with the Holocaust. It will examine how the anti-Semitic propaganda of the early Nazi Party manifested itself into a legitimate political platform, evolving into state sponsored legal legislation, and culminating into an industrialized killing industry. Students will be introduced to the principle historical figures, events and time lines regarding the birth of the Nazi Party, their taking control of the German nation, and finally their political and military actions against those deemed ‘subhuman’. In addition, students will also become well-versed in The Hague and Geneva Conventions regarding the roles of the military and the protective status and qualifications of noncombatants. (Prerequisite: HIST300/HS334 for History and Military History majors only).

HIST300 Research Methods in History (3 hours)

The purpose of this course is to prepare the student for upper-division course work, research, and writing based on historical

methodologies such as quantification or paleography. It is designed to familiarize the student with what historians do and how they do it, and affords the student the opportunity to develop their own skills as a historian by interpreting and evaluating primary and secondary source material and presenting their findings in a written, properly referenced format.

HIST301 Ancient Greece (3 hours)

This course covers the history of the Greek speaking peoples from the origins of Greek civilization during the Bronze Age to the dispersion of Greek culture during the Hellenistic era through the conquests of Alexander the Great. The topics emphasize the political, social, cultural, and economic institutions and values that Hellas created to revolutionize Ancient Mediterranean history. Students gain an introduction to the history of Greek civilization and a deeper understanding of the nature of democracy, and the relationships among politics, art, literature, and the ideals of civic virtue. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST302 Ancient Rome (3 hours)

This course will study the history of Ancient Roman civilization from the founding of the Republic in 735 BC to the fall of the western empire in 476 AD. Roman political, military and cultural events and personalities will be the focus of this course. Interaction and conflict with neighboring Mediterranean, western tribal, sophisticated eastern, and later barbarian cultures will serve as the thematic core. The course will also examine the lasting impression and influence of Ancient Roman civilization on European and Western culture. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST303 The Middle Ages (3 hours)

This course will cover the history of Europe from the 4th/5th century when the Roman Empire was ending to the middle of the 14th century when the new nations were fully defined. Starting with the fall of the Romans and the effect of that fall on Europe, the course will cover the arrival of the "barbarian" invaders, the reign of Charlemagne, the rise of separate, new European states such as France, England and Germany as well as the Church, the relations between these states and with the Byzantine Empire, the period of the Crusades, and the development of different government systems in the various European nations. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST304 The Renaissance (3 hours)

This course is a survey of Western Europe from 1350 to 1600. It examines the political, military and social events surrounding the re-birth of classical knowledge and artistic expression in Italy known as the Renaissance. The course also traces the movement of the Renaissance northward, focusing on the coming Reformation era. The last part of the course studies the Protestant and Catholic Reformations to include how the Reformations effected the growth of the modern nation-state. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST305 France in the Age of Enlightenment (3 hours)

This course examines the "Age of the Enlightenment" in France with the reigns of King Louis XV and Louis XVI. Through readings of the functioning of the monarchy, on the world of everyday peoples in Paris and the countryside, and the intellectual climate of the era, students will be able to reconstruct the time known as "the ancient regime." The class will also analyze readings by authors such as Diderot, Voltaire, DuChâtelet, and Rousseau to gain a sense of the intellectual excitement of the "Enlightenment." (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST306 The British Empire (3 hours)

This course examines the British Empire from the late 18th century to the 1960s. It includes the settler colonies, the colonies inhabited almost exclusively by non-European peoples, and the "informal empire" of trade and investment as well as the impact of the Empire upon the British Isles. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST307 The Age of Dictators: Europe 1914-1945 (3 hours)

This course focuses on the great crises of 20th century European civilization, from the outbreak of war in August 1914 to the defeat of Hitler Germany in May 1945. Through novels and historical monographs, it explores the effects of total war and mass mobilization on the industrially advanced state systems of the period, as well as the social emancipation, economic disintegration, and cultural innovation brought on by the great wars of the period. Particular attention is paid to the experience of the "great powers" (Germany, the Soviet Union, Britain and France), which is supplemented by student research on the smaller countries of

Europe. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST308 History of European Colonialism (3 hours)

This course explores European colonial history from the fifteenth century to the present. It takes into account the exploration, colonization, and decolonization of the Americas, Africa, Asia, India and the Middle East by three major European powers: Britain, France, and Spain. The actions of these countries, among others in Europe, affected the areas they colonized and the indigenous populations for generations to come. This course will focus on the expansion of European empires, the consolidation, management, and disintegration of the empires. Prerequisite - HIST300/HS334 for History and Military History majors only

HIST310 History of Modern Europe (3 hours)

The course evaluates European politics from the French Revolution to the industrialization process and effects in the late 18th and 19th centuries. Students assess the impact of military modernization and analyze the commercialization of the culture. An overview of politics and wars in the 20th century and their relationship to the fall and rise of the economy will be presented as well as the concept of European security. The forces of modernization, causes of war, and power of unification will be evaluated, with an emphasis on effects and divisions of the Cold War and democratization wave of the 1990's. It will examine the evolution of trade unions to a regional union with its effects on politics, economics and security, including case studies of regional terrorism. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST320 History of Russia (3 hours)

The course covers the history of Russia and its people from the medieval period up to the present. While student projects can be on any aspect of Russian history from any period, the emphasis in the classroom will be on political and social history from the period of reforms in the mid 19th century up to the fall of the Soviet Union. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST330 History of the Pacific Rim (3 hours)

This course is a study of the history of the modernization of the Pacific Basin in the 20th Century. It covers all the Asian nations except those of the Indian subcontinent. The course will cover such areas as the technological and economic development of the Pacific Basin, the trauma associated with the changes to the old order, social and economic upheaval, industrialization, and urbanization. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST340 History of Africa (3 hours)

This course examines the history of Africa from the first periods in recorded history, through the colonial period and 20th Century. The focus is upon the major European powers that influenced the continent and the internal social, religious, political and economic dynamics specific to each region. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST350 History of the Middle East (3 hours)

This course examines Middle Eastern history from the era of Suleyman the Magnificent, the 16th-century Ottoman sultan, to the late 20th century. It traces the roots of current Middle Eastern politics to social changes-- as the region lost its pivotal role in the world economy in the 19th century but gained oil wealth-- and to the political aftershocks of colonial occupation a century ago. Themes include the emergence of dictatorship and violence in politics during the 20th century, and especially the conflicts centered on the emergence of Israel; the rise of new political ideologies, nationalism, liberalism, and Islamism; the rise of women's rights movements, and the reasons that political conflict has come to center on women's status; and the polarization of rich and poor classes that continues to destabilize domestic politics. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST351 History of Iraq (3 hours)

This course examines the complex and diverse history of Iraq from its ancient roots to the present. Students analyze the evolution of the modern Iraqi state, its roots in Islamic law, the effects of imperialism, monarchy, and the emergence of the militant dictatorship. In addition, students examine social, cultural, and economic traditions that have contributed to the development of Iraqi policy. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST360 History of Latin America (3 hours)

This course is a survey course of Latin American History. The subject is approached from two very different perspectives. The primary method is a comprehensive overview of Latin American history and theories important to the study of Latin America and the second provides the student with an overview of the history of individual Latin American countries. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST370 Asia and the Modern World (3 hours)

This course is a study of major national and international developments within East, Southeast, and South Asia, to include current key issues involving China, Japan, the two Koreas, Indonesia, Thailand, Pakistan, and India. This course focuses on issues in Asia that are important to the national security of the United States, particularly military, political, and economic issues. The course will also provide a close examination of U.S. relations with Asian nations. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST402 Colonial America (3 hours)

This course explores North American history from the dawn of the British colonization of North America to the end of the French and Indian War in 1763, which sparked subsequent British Colonial Policy and thus set into motion the events leading to American Revolution in 1775. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST403 The Early Republic, 1783-1815 (3 hours)

The Early Republic, 1783-1815 examines the development of American political, social, and cultural institutions during the formative years of the new Republic. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST404 Jacksonian America, 1815-1846 (3 hours)

Jacksonian America, 1815-1846 examines the nature of Jacksonian democracy and its treatment in American historiography. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST405 Antebellum America, 1846-1861 (3 hours)

Antebellum America, 1846-1861 examines the divisive political, social, and economic forces which intensified in the 1840s and culminated in the Civil War. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST406 Civil War And Reconstruction, 1861-1877 (3 hours)

Civil War and Reconstruction, 1861-1877 examines the wartime problems of the Union and Confederacy, as well as the consequences of the war and the postwar efforts to create a new Union. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, military, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST407 The Gilded Age, 1877-1900 (3 hours)

The Gilded Age, 1877-1900 examines the rise of the United States as an industrial and world power with particular stress on the changing patterns within American society. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST408 The United States: 1900 to Second World War (3 hours)

This course examines the changes in American society at the end of the 19th century as it confronted the issues of industrialization, immigration, and urbanization. It explores the open conflict between the advocates of isolationism and collective security and examines the impact of World War I. It also examines the changing values of the 1920's, the stock market crash of

1929, the Great Depression that followed, and the prelude to the second world war. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST409 The United States: WW II to the Present (3 hours)

The United States: WW II to the Present is a study of the political, economic, social, and cultural development of the United States from World War II to the Present. Topics include social and cultural changes in the 50s, 60s, 70s, 80s, 90s, and the first decade of the 21st Century; the United States foreign policy from the post-WWII "Cold War," to Korea, Vietnam, and other global confrontations between the United States and the communist world from Somalia, Grenada, and the First Gulf War to the most recent "War on Terrorism"; and the technological changes and their impact on the social and economical development of the United States. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST415 The Cold War (3 hours)

The Cold War developed between capitalist and communist nations—primarily between the United States and Russia—shortly after World War II and lasted until the early 1990s. Although the conflict is technically considered over, its impact is still felt in society, politics and economics even today. The Cold War often threatened to transform into a hot war, and actually did so periodically, such as in the Korean and Vietnam Wars. This course focuses on the development of the ideological conflict and its effects on politics, economics, technology, society and culture in both the East and the West. Prerequisite - HIST300/HS334 for History and Military History majors only

HIST480 Special Topic: History (3 hours)

This course is a one-time offering on an area of special interest and may be applied to fulfill major course requirements or electives. A student may appeal to take this course twice, if the subject matter is different enough to merit separate credit. TOPIC FOR NOVEMBER 2014: Anglo Saxon Britain. This course will look at the society and politics of Britain from the end of Roman occupation to the Norman conquest. Close attention will be paid to the political connections between the different kingdoms. TOPIC FOR JULY 2014: History of Scotland. This course will look at the history of Scotland from its earliest history until the defeat of the Jacobites at the Battle of Culloden in 1745. Special attention will be paid to the political history, the Scottish monarchs, and the interactions between England and Scotland over control of the north of Britain, including Macbeth, William Wallace, Robert the Bruce, Mary Queen of Scots, Bonnie Prince Charlie, and many other influential leaders. Discussions will cover the incursions by the Scots from Ireland, the contact with the Romans, the influence of the Vikings, and struggle for an independent Scottish identity. TOPIC FOR MARCH 2014: Viking History. This course will examine the history of the Vikings and their influence on the development of Europe. Discussions will focus on key settlement areas such as Iceland, Britain, France and Russia and how the Vikings brought about social, political, economic, religious, and military changes in those areas.

HIST490 Independent Study: History (3 hours)

An opportunity for History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST491 Writing a Research Proposal (3 hours)

Preparation for the BA in History and Military History Capstone seminar begins on day one of a student's program of study. The theories, research methods and analytical skills, and substantive knowledge obtained through their BA curriculum provide the basis for the Senior Seminar. Students are required to develop primary and secondary source materials on their research topic and address the writing requirements as described in the syllabus and classroom assignments. The research proposal must provide a clear description of a question or problem and a proposed method of answering the question or solving the problem.

HIST498 Senior Seminar in History (3 hours)

The Senior Seminar in History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in history. After a review of the student's academic experience, the student and professor will design a course of study to round out the student's preparation for research and writing a major paper in their field of interest. This is a capstone course to be taken after all other History courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH318 The French and Indian War (3 hours)

The French and Indian War, otherwise known as the Seven Years War, was fought in North America between the years 1754 and 1763. The British and their American colonists fought against the French and the Indians initially over territorial disputes of the Ohio River Valley. This resulted in one of the world's first global wars, and consequently set the stage for the foundations of the American Revolution. This course will focus on the beginnings of the war, both domestic and international, military events, and the consequences of the war. Prerequisite - HIST300/HS334 for History and Military History majors only

MILH320 The American Revolution (3 hours)

This course examines the American Revolution from its antecedents to its legacy. The events leading to the revolt and the Declaration of Independence; the strategy and tactics of the war emphasizing the land campaigns; and the aftermath of war on the new Nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH355 World War I (3 hours)

This course analyzes World War I, from the political unrest in Europe in 1914 and the outbreak of war to the Armistice in November 1918 to the treaty of Versailles in 1919 and the official end of the war. Global in scope, the themes highlight the origins of the conflict, Entente and Central Powers strategies, plus the major military campaigns, power diplomacy, life on the home front and America's entry and effect to the Entente (Allied) war effort her entry had on the outcome of the conflict. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH360 World War II (3 hours)

This course is a global examination of the Second World War with an emphasis on the origins of the conflict, Axis and Allied strategies, major military campaigns, great power diplomacy, life on the home front, and the Holocaust. The experience of combat, social and political changes that resulted from the conflict and the scientific consequences of the war will be continual themes addressed by the course material. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH365 The Napoleonic Wars and the Long Peace (3 hours)

This course examines the theory and practice of warfare in Europe from 1785 to 1870. It will emphasize the rise of Napoleon as a military leader, as a practitioner of the operational art, but will also examine his political, economic and legal impact on Europe as a whole. This course will focus on the wars of the French Revolution, Napoleon's northern Italian campaigns, his expedition to Egypt, his battles while leading the Grand Army at Austerlitz and Jena, and his march to Moscow where he led the largest army in European history to date. It will also cover the 1813 and 1814 campaigns, the reactions of Napoleon's enemies to his innovations in warfare, and his final defeat at Waterloo. The course then looks at the status of Europe in 1815 and the conditions which set the terms for the "Long Peace". The course ends prior to the start of the wars of 1870 and the lessons learned. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH370 The Korean War (3 hours)

This course provides a history of the Korean War from pre-hostilities to post-ceasefire. The course mainly concentrates on the U.S. and South Korean conflict against North Korean and Chinese forces, but other UN participants are covered throughout the course. All three levels of conflict, from tactical to strategic are discussed. The increase in technology, the usage of modern weapons, POWs, and the continued presence of U.S. forces in the Republic of South Korea are also covered. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH371 The Vietnam War (3 hours)

This course examines the origins of the conflict in Indochina, American intervention and commitment, the ground wars, Vietnamization, trouble at home, the US withdrawal, and the war's effect on American society. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH421 History of Peacekeeping: 1945-1987 (3 hours)

This course examines the overall evolution and functioning of United Nations Peacekeeping Operations (PKO) during the Cold War period. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. The origins and evolution of UN peacekeeping are explained in military, diplomatic, and political terms. This course describes how superpower conflicts shaped both the direction and scope of UN PKOs. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

MILH422 History of Peacekeeping: 1988-Present (3 hours)

This course examines the strategy, operations, evolution, and functions of United Nations Peacekeeping Operations (PKO) from the end of the Cold War to the present. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. While the United Nations peacekeeping operations are studied in detail, other forms of peacekeeping are presented as well. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

Undergraduate Course Descriptions

Homeland Security

HLSS154 Mind of a Terrorist (3 hours)

This course explores psychological and behavioral perspectives of terrorism. Specifically, the course examines the circumstances underlying why people radicalize and join terrorist groups, engage in terrorist activities, assume various terrorist roles, and, in some instances, de-radicalize and disengage from terrorist activities.

HLSS212 Chemical, Biological, and Radiological Hazards (3 hours)

This course provides an in-depth study of the history of CBRN agent and material development and use by nations, nation-states, state-sponsored organizations, and terrorists. This course further examines CBRN threats worldwide and reviews CBRN Arms Limitations, Treaties, Organizations, Regimes and Agreements. Finally, the course discusses various approaches to deter use of CBRN agents, materials, and weapons.

HLSS215 Regulatory Issues in Weapons of Mass Destruction (3 hours)

This course focuses on the legal and regulatory issues associated with WMD response. Its topics include: associated public law, reporting authorities, jurisdictional and functional issues that govern organizational, technical, medical, scientific, moral/ethical issues, and, other aspects of response.

HLSS230 Chemistry of Explosives (3 hours)

This course offers explosive handlers, bomb disposal technicians and responders an introduction to the chemical make-up and associated hazards of explosive substances. The combination of challenging reference sources and instructional interchange immerses the student in the world of explosive compounds including the research and development behind many explosive compounds widely used throughout the world today. This combination of reference materials, website research and group-related projects, allows the new explosive handler to learn the scientific basis for the long lists of safety precautions involved when handling explosives. Topics include, but are not limited to, history of explosives; basic chemical composition of explosives; and, safety precautions and guidelines when approaching or handling explosives. It will also cover researching information sites and references for material ranging from basic safety precautions of explosives to the resources available for emergency handlers and responders. The course helps students understand the hazards associated with common explosive materials.

HLSS231 History of Explosive Ordnance Disposal (3 hours)

This course is a dynamic and information packed introduction to the history of incendiaries and explosives. Included is a short study of the origins of modern-day Bomb Disposal and Explosive Ordnance Disposal (EOD) Teams and their evolving techniques. The course examines areas and ideas from the ancient mystique of "Greek Fire" and the inventions of gunpowder and high explosives, up to modern-day nuclear reactions and weapons of mass destruction. The course provides an in-depth understanding and appreciation of the history and background of the science and mechanics applied to explosive technologies, and provides for a better understanding of those who work to render safe unexploded hazards.

HLSS232 Electronics, Electricity, and Explosives (3 hours)

This course is designed for Explosive handling technicians, police or military, or others who respond to incidents involving hazardous devices containing electrical and/or electronic components. Concepts covered include the important differences between electricity and electronics (E&E) from the scientific and technical perspective and the practical situational aspects of threats posed to any handler of suspicious E&E devices. Specific areas are covered in a logical and easy to digest manner and include the fundamental principles of Alternating Current (AC) and Direct Current (DC) including series, parallel, and series parallel circuits; hazardous device circuit component operations and capabilities; and, safety precautions and guidelines when dealing with circuits contained in hazardous devices. The course focuses on how to conduct research on information sites and references for basic circuitry and helps students recognize the technical aspects of circuit theory, components and capabilities required to effectively perform diagnostic procedures.

HLSS233 Explosive Incident Assessment: Methods, Practices, Protocols (3 hours)

This course is an overview of Explosive Ordnance Disposal (EOD). It provides a framework in which to evaluate Standard Operating Procedures (SOPs) utilized by military and civilian Explosive Ordnance Disposal teams and Hazardous Devices teams in the field. The extremely hazardous nature of these operations lends itself to a detailed evaluation of the methods; practices and protocols used during live ordnance and emergency response calls. Formal EOD guidance contained in military instructions and regulations, and Federal Codes of Regulation (CFRs) are examined as references and for operational compliance. They are evaluated for efficacy in meeting the often conflicting and demanding needs of EOD operators. Procedures covered include the full spectrum of military EOD Required Operational Capabilities. Included are high risk evolutions such as diving and demolition operations, parachuting and rappelling operations, and, response to weapons of mass destruction, and small arms employment under hostile and time constrained conditions. The vulnerability and risk of specific EOD procedures to terrorists' actions is defined, and proposed countermeasures are weighted for effectiveness. The application of industry "Best Practice" risk management processes is examined for application to the Explosive Ordnance Disposal field.

HLSS234 Organization for Explosive Ordnance Disposal (3 hours)

This course provides an overview of the many different federal, military, state, local, and specialized explosive ordnance disposal organizations, units, and teams; their associated authority in public law; their different jurisdictional boundaries; and their different doctrinal and organizational approaches to similar and different issues in the field.

HLSS300 Research Methods in Homeland Security Studies (3 hours)

This course must be taken as the first course in the BA in Homeland Security program. This course prepares students to employ basic research methods and writing skills to produce sound research papers and analytical products. Students will learn how to develop the elements of a research strategy, critically read and evaluate data, and communicate their findings in coherent, well-organized written work.

HLSS301 Homeland Security Organization (3 hours)

This course is a study of federal, state, local, private, and other organizational entities involved in homeland security. It addresses the evolution of homeland with an emphasis on the emerging homeland security structure, culture, and organization.

HLSS302 Introduction to Homeland Security and Defense (3 hours)

This course offers a broad overview of the key operational and policy areas the United States government employs to best ensure the security of the nation. Students will explore and discover central themes that frame the government's homeland security operations which emerged after the terrorist attacks of September 11, 2001.

HLSS303 Homeland Security Risk, Threats and Consequences (3 hours)

This course examines the homeland security threat landscape. Students will evaluate the risks and threats facing homeland security and discuss the consequences if they were realized.

HLSS305 Private Sector Homeland Security (3 hours)

The private sector is responsible for much of what has become known as the "homeland security enterprise." This course will address this expanding role and address the responsibility of private sector entities in securing the homeland.

HLSS311 Border and Coastal Security (3 hours)

This course is a study of the federal, state and local organizations involved in border and coastal security, associated homeland security issues, the various policy and operational strategies used for border and coastal access and security, and contemporary border and coastal security concerns. Topics also include immigration and non-U.S. approaches to border and coastal security.

HLSS312 Port Security (3 hours)

Port Security is a survey course designed to provide students with a broad knowledge of port security issues. It will examine the critical importance of ports to trade and their vulnerability to disruption and attack. It will also examine several contemporary issues, including; the importance of sea borne trade to the North American and United States economies, the value of mega ports to sea borne trade, the vulnerabilities of ports to disruption and asymmetric attack, critical port security incidents such as the Halifax Explosion, and defensive measures to protect ports from disruption or asymmetric attack.

HLSS320 Intelligence and Homeland Security (3 hours)

The course examines the evolution of the role intelligence has played in the development of homeland security strategies. Particular focus is on the ways in which intelligence policy and oversight influence homeland security decisions.

HLSS498 Senior Seminar in Homeland Security (3 hours)

This senior capstone course allows students majoring in homeland security to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other English courses have been satisfactorily completed. Student must have SENIOR standing to register.

HLSS499 Independent Study In Homeland Security (3 hours)

This course gives students an opportunity to pursue an independent research project or examine a specific area of study under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member and must be approved by the Program Director or Dean. The course will typically involve a major research paper (20-30 pages). Students will submit a proposal prior to the start of the course. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Hospitality Management

HOSP100 Introduction to Hospitality Management (3 hours)

Hospitality Management is the largest service industry in the world. This course is an overview of the basis dimensions of professionalism, customer service, and sustainability to the major areas of hospitality management, and segments of travel and tourism. The background and historical development of the hospitality industry and its component areas are presented; employment opportunities and trends in each area are discussed.

HOSP101 Foodservice Sanitation (3 hours)

An examination of topics related to food borne diseases and how to control them, importance of employee personal hygiene and habits, and appropriate procedures for handling utensils and equipment. Key terms and real-world food safety case studies are reviewed.

HOSP200 Food and Beverage Management (3 hours)

Introduction to the principles of the food and beverage management; Attention is focused on major industry segments, business practices and trends. Subsequently, detailed consideration is given to the components of the foodservice system: marketing, menu planning, logistical support, production, service, controls, and quality assurance. Product and systems differentiation in various industry segments are emphasized throughout.

HOSP201 Restaurant Operations Management (3 hours)

A study of operation and management of a full-service restaurant, course topics include operational issues, customer satisfaction, restaurant trends and challenges, financial accountability, service issues, and management development. Various aspects of production and service are experienced, discussed and demonstrated. Students become familiar with all aspects of a restaurant operation.

HOSP202 Quantity Food Preparation (3 hours)

A study of established standards, techniques, and practices in large quantity food production, to include sales, production, and service of meals in varied environments - fine dining, casual table service, and catering, among others. (Prerequisite: HOSP100)

HOSP203 Hotel and Restaurant Purchasing (3 hours)

A study of the principles and techniques of purchasing both food and non-food supplies applicable to the food industry. Purchasing ethics are discussed in additions to specifications for all items.

HOSP204 Introduction to Hotel and Restaurant Law (3 hours)

A study of the legal rights and liabilities of travel and tourism personnel, hotel and restaurant operators, including innkeeper and guest, landlord and tenant, liquor, sanitation, labor and other laws applicable to hotel and restaurant operations; insurance coverage for the protection of the hotel and restaurant operators from the various liabilities inherent to these types of operations; safety measures necessary to protect guests and employees from legal harm.

HOSP205 Tourism and Travel Industry (3 hours)

A study of the global tourism and travel industry to include public and private systems and organizations that organize, promote, manage, and participate in tourism and travel. This multi-billion dollar industry is covered from the international down to the local level in an effort to show best practices, strategies, leading organizations, issues of liability and insurance, among other macro factors that affect tourism and travel.

HOSP206 Introduction to Lodging Management (3 hours)

A common sense approach to the essential principles of daily lodging management operations; Students discover information, methods, and techniques for dealing with the changing global lodging environment.

HOSP212 Fundamentals of Tourism Management (3 hours)

A comprehensive look at the output, employment, exports, investments and taxation emanating from the immediate providers of travel and tourism products and services

HOSP215 Cruise Line Operations (3 hours)

A comprehensive study of the cruise line industry along with step-by-step coverage of how to effectively market the cruising experience.

HOSP295 Restaurant Operations Seminar (3 hours)

This course is a culminating course for the Associate of Arts in Hospitality Management, Restaurant Operations concentration. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Hospitality Management. The student will participate in simulated exercises that provide practical exercise enabling the student to demonstrate a grasp of hospitality management study. This is a culminating course to be taken after all other Associate of Arts in Hospitality Management courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. This course is to be taken as the LAST course in the A.A. in Hospitality Management program.

HOSP300 Managerial Accounting for the Hospitality Industry (3 hours)

Key accounting concepts and the selective application of its most effective strategies and tactics are mission critical factors for most hospitality operations. Students participate in real-world hands-on managerial accounting in a hospitality setting. Covers the tax changes made in 2010 and the updated operating statistics. Revenue management and dynamic pricing, accounting for gift cards, unsecured bank loans, and profitability indexes are introduced.

HOSP301 Culture and Cuisine (3 hours)

Major historical and geographical concepts that affect cuisine creations in regions of the world are explored.

HOSP302 Hospitality Law (3 hours)

Focus is on fundamental laws, rules, and regulations applicable to the hospitality industry regarding rights and liabilities of innkeepers and restaurant operators. Case studies will be used to provide additional learning opportunities specific to hospitality.

HOSP303 Hospitality Marketing (3 hours)

An introduction to the marketing of hotels, restaurants and clubs. Information on market segmentation, marketing research, public relations, promotions, packaging, pricing strategies and the future of hospitality marketing.

HOSP304 Nutrition in the Food Service Industry (3 hours)

An introduction to basic nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. Students are introduced to nutrition and dietary guidelines and the connection to healthy life styles and prevention of health issues.

HOSP307 Principles of Cost Control in Foodservice Operations (3 hours)

This course covers the necessary principles to keep food, beverage and labor costs under control, helping to contribute to the success of the operation. Students will apply the terminology and calculations involved in cost control systems and analysis. The course will examine cost control techniques for food, beverage and labor. Menu engineering and analysis will be introduced along with development of cost reduction methods through management policy. (Prerequisites: HOSP200)

HOSP308 Meeting and Convention Planning (3 hours)

A thorough explanation of the lucrative meeting and convention industry and its function in the travel and tourism sector. An overview of the meeting, exposition, and convention businesses, that covers the history of these businesses and the economic value they represent to a destination. Course will include a broad brush of the organizations that support this segment, such as convention bureaus, destination management companies and meeting planners.

HOSP309 Convention Sales and Services (3 hours)

A practical insight into servicing different kinds of meetings and conventions, the types of organizations that stage such events, and the people who hold the key to site selection, and implementation is the focus. Convention management is presented in a way that prepares the student for real-world experiences in planning, selling and servicing meetings and conventions.

HOSP310 Management of Lodging Operations (3 hours)

Focuses on the understanding of how hotels are managed from the rooms' perspective. Managerial aspects of the front of the house departments/divisions and the back of the house departments/divisions are to ensure efficient lodging operations; topics include the overview of the lodging industry, housekeeping, front office, PBX, reservations, revenue management, forecasting, budgeting, inventory management, service, ethics, and technology.

HOSP311 Club Management (3 hours)

A study of club management that includes many different forms of clubs in existence around the world today: health, golf, leisure, professional, and other forms of clubs. The course focuses on all aspects of social, physical, and business issues associated with club management

HOSP313 Theory and Concepts of Leisure (3 hours)

A foundation for the study, theory, and meaning of leisure from its historical roots through contemporary times is the focus. Specific topics include society and leisure; leisure and the human life cycle, leisure development and provision; gender and leisure; among others.

HOSP314 Foodservice Trends and Challenges (3 hours)

Focuses on the leading issues associated with foodservice in the 21st century; trends, issues, and challenges that will lead the industry and force the food service industry participants to lead, change, or suffer the consequences (Prerequisite: HOSP100 & HOSP200).

HOSP315 Dining: A Consumer Perspective (3 hours)

Focus is on the dining experience from a consumer perspective, includes research, opinion, expectations and standards associated with a consumer's stated and unstated beliefs of the dining experience. (Prerequisite: HOSP200)

HOSP316 History and Culture of Wine (3 hours)

Study of wine manufacturing, quality criteria, and sensory standards for both U.S. and international wines; topics include history of wine in society, selection of wine for specific meals, and wine variations. Opportunities for students to purchase different types of wine and participate in evaluative tasting techniques are presented; however alternatives are available for students that choose not to, or may not legally, consume alcoholic beverages.

HOSP318 Culinary Theory and Practice (3 hours)

Introduces the student to food and beverage operations through three major components; food composition, food products and food properties. Students will be engaged in research and projects associated with fundamental food composition, preparation and food safety.

HOSP319 Foodservice Facilities Design (3 hours)

This course focuses on the planning of food service facilities with emphasis on human engineering, layout, design, selection of equipment, and management planning decisions. (Prerequisite: HOSP100 & HOSP200)

HOSP320 Business and Conference Hospitality Mgmt (3 hours)

A study of business travel and conference management in the multi-billion dollar industry is covered from the international down to the local level. Discussions focus on best practices, strategies, and customer perspectives that differ for business vs. leisure travel, leading organizations in the business and conference hospitality industry, issues of liability and insurance, and other factors implicit in effectively managing and providing services to be competitive in this industry.

HOSP321 Marketing and the Hospitality Industry (3 hours)

A comprehensive review of marketing in the hospitality industry; restaurants, hotels, planned play, theme parks and convention centers, based upon customer satisfaction and the customer's perspective. Students will identify best practices in marketing, analyze the market, and assess consumer behavior, offerings, price, and promotion strategies.

HOSP322 Managing Housekeeping Operations (3 hours)

Covers management concepts and responsibilities in the Housekeeping division of mid-to-large properties, including models for

staffing patterns. Examines inventory and equipment management, characteristics of materials and supplies, linen and laundry room management, and cleaning functions.

HOSP323 Introduction to Parks and Recreation (3 hours)

An introduction to the broad field of recreation and tourism including major disciplinary approaches to outdoor recreation and tourism, history, philosophy, and economics; major providers of outdoor recreation and tourism opportunities, including the public, private, and non-profit sectors; and current issues in outdoor recreation and tourism.

HOSP325 Revenue Management for the Hospitality Industry (3 hours)

An independent area of study of the legal and ethical rights from a variety of hospitality segments where yield management directly affects the prices charged and the selling methods of the industry.

HOSP328 International Hotel Management (3 hours)

New trends and developments have changed the context of global hotel operations and management. Lodging operations in a global environment is discussed, with particular attention to expatriate laws, and international policies affecting travel, tourism, and hospitality development.

HOSP335 Leadership and Management in Hospitality (3 hours)

Focus is on the leadership role, people management, interpersonal skills and attention to quality in hospitality organizations.

HOSP350 Managing Technology in the Hospitality Industry (3 hours)

Focus is on getting the most efficient and effective outcomes from interconnected multiple-systems at a single location, the ease of movement between component parts, and the development and ongoing maintenance of the hotel's website.

HOSP355 Loss Prevention and Security Management (3 hours)

Safety and security case studies developed by industry professionals, hospitality-specific resources for safety and security; sections include in-house safety committees, crisis communications, and the importance of safety equipment are presented.

HOSP360 Casino Operations Management (3 hours)

Rooms' division employees connect to the food service staff in casinos by having employees who encourage guests to use the dining and gaming facilities. Focus is on strategies that help increase the bottom line for all areas of the casino operation.

HOSP400 Quality Service Management (3 hours)

The focus is on service delivery and methods for implementation and improvements within the service delivery process. Special emphasis will be placed on management and supervision techniques in service quality along with steps in critical evaluating and implementing a quality service plan within hospitality based organizations.

HOSP410 Advanced Tourism and Hospitality Management (3 hours)

Focus is on advanced techniques and skills for Hospitality Management Professionals to ensure effective and efficient management within the Tourism and Hospitality Management industries. Standards and expectations for restaurant owners, hotel and tourism managers and meeting and event planners are addressed. Price points, product development, tips and marketing techniques that restaurants, hotels, tourism organizations and event planners employ to enhance the customers' experience are addressed.

(Prerequisite: HOSP100)

HOSP411 Hospitality Facilities Management (3 hours)

A comprehensive overview of the operation of hospitality facilities such as: operating costs for various types of facilities, types and characteristics of major building systems, and the responsibilities of the engineering-maintenance department. The renovation needs of hospitality facilities are examined and key managerial aspects of renovations considered

HOSP412 Destinations Management and Marketing (3 hours)

Theories and concepts of hospitality globalization with a comprehensive approach that emphasizes planning, development, and marketing a destination.

HOSP413 Meeting and Event Risk Management (3 hours)

This course introduces procedures to manage facilities and risks specific to the events industry. Current knowledge in risk management is needed to protect guests from safety hazards and firms from loss of profits specific to this unique sector of hospitality. Topics covered include: health and safety, loss prevention and security, emergency preparedness and safeguards, program design and site management. (Prerequisite: HOSP 100)

HOSP415 Destinations and Cultures (3 hours)

Introduces tourism development as a process with its own organizational structures and its own responses to the economic cycle of supply and demand. Cultural environments and their influence are discussed.

HOSP495 Senior Seminar in Hospitality Management (3 hours)

The 16-week Senior Seminar is the final course for the BA in Hospitality Management. Students fulfill the requirements by obtaining an internship in their selected concentration. Students obtain an internship that consists of 80 hours of work over the 16 weeks in a self-selected and instructor approved hospitality environment (hotel, restaurant, convention center, etc). Students will apply insights and learning from the classes and obtain real-time work experience. Students are required to keep a journal or log during the internship capturing questions, insights, and learning from the experience. Upon completion of the practicum students will write a final 10 page integrative paper drawing upon literature and insights to support and enhance their practicum experience. For those students who do not obtain an internship, they can fulfill the requirements by writing a 50-page, instructor-approved, research paper that is connected to a real organizational issue. See syllabus for further information. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Humanities

ARTH200 Art Appreciation (3 hours)

This course provides a survey of the visual arts, which is directed at understanding how to read the global visual world. Building from basic terminology and fundamental analysis, to more complex concepts of understanding art, the course provides tools for examining, analyzing, interpreting, and writing about works of art. Topics will include the political, religious, socio-cultural, and aesthetic functions of painting, sculpture, architecture, camera arts, and new media. No prior art classes or experiences are required.

ARTH210 American Art (3 hours)

This course provides a survey of the visual arts in America. Students will learn how to look at, write about, and interpret major works of art that represent the best of the American achievement from the beginning to the present day. Topics will include the political, social, religious, cultural, and aesthetic functions of painting, sculpture, filmmaking, photography and other media. No prior art classes or experiences are required.

ARTH220 World Architecture (3 hours)

This course will introduce the history of the built environment, from the Prehistoric Era to the contemporary world of globalization. This survey includes environmental, religious, and political/ideological impulses which form the history of architecture. While examining the major movements within their appropriate socio-cultural contexts, emphasis is placed on terminology and concepts relating to construction, style, and significant innovations.

ARTH221 American Architecture (3 hours)

This course provides a chronological survey of American architectural history from the earliest settlements through modern times. This survey includes environmental, religious, and political/ideological impulses which form the history of American architecture. While examining the major movements within their socio-cultural contexts, emphasis is placed on terminology and concepts relating to construction, style, and significant innovations. No prior art classes or experiences are required.

ARTH230 Ancient and Medieval Art (3 hours)

This course will survey the arts of Egypt, the Near East, Classical Greece and Rome, and Medieval Europe, from about 2500 BC to about 1400 AD. Topics for consideration include the great variety and richness of artistic expression of these different cultures, and some of the general problems of how art historians understand and write about art. There will be a thorough examination of the social context of art: its historical circumstances, context, patronage, the influence of the individual artist, and the role of those who have been the patrons and viewers of art. There will be an examination of what constitutes understanding and explanation in art history, as the individual approaches a work of art and attempts to grasp its various meanings. Works of sculpture, architecture, wall and vase painting, mosaic, manuscript illumination, and other media will be examined, in an attempt to understand the works in their physical, historical and social context.

ARTH231 Renaissance to Modern Art (3 hours)

This course is a survey of art, architecture, sculpture, and other art objects from the Renaissance to the Modern era. Students will also be introduced to a format for describing, formally analyzing, and interpreting works of art. Methods for art historical research will be included in the course.

ARTH241 Film and Literature (3 hours)

This course is designed to enhance students' appreciation for the history and traditions of American film. Students will investigate traditional as well as non-traditional film images, themes, techniques, and styles.

MUSI200 Music Appreciation (3 hours)

Spanning the Middle Ages through the twenty-first century, this course offers a thorough introduction to the elements of music, a broad overview of the history of musical styles, including cultural contexts and perspectives.

Undergraduate Course Descriptions

Information Technology

DSIN121 Web Page & Web Site Design (3 hours)

This course introduces students to the concepts of Web site design, including Web project management, the Web site development process, and ethical and legal issues in Web development. The course provides hands-on experience with Web page layout, navigation, typography, Web graphics, color, color theory, web safe colors, HTML and the evolution of markup, XML, XHTML, structural elements (tables and framesets), cascading style sheets, site content and metadata. It also explores readability, interactivity, navigation, usability and accessibility, browsers and design considerations, audio, motion, multimedia, and the impact of these design elements on the performance of the web site. Students will need access to Microsoft Internet Explorer and Firefox. This software is not provided by the course material grant and must be purchased/provided by the student. This course covers lessons 1-16 of the Web Design curriculum of the CIW Web Design Specialist certification.

DSIN141 Image Enhancement using Adobe Photoshop (3 hours)

Graphics are valuable tools for communication in Internet applications. This course introduces the student to the principles and practices of image manipulation, image enhancement, and image storage. The student will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, the impact of image size and resolution on screen size and resolution, brightness, contrast, image noise, noise reduction, digital signal processing (blurring, de-blurring, Gaussian filters, sharpening, softening, spot healing, dodging, burning), transparency, opacity, hue, saturation, image layering, color blending (multiplying, dodging), image transformation (rotation, resizing, shearing), selections (pixel, vector), alpha channels, and image modes (grayscale, RGB, CMYK, HSB, indexed color). Students must have access to Adobe Photoshop CS6 (or higher). This software is not provided by the course material grant and must be purchased/provided by the student.

DSIN143 Design Using Adobe InDesign (3 hours)

This course is a study of the principles, practices, processes, and disciplines related to designing print media for maximum communication. This course evaluates the process for planning, preliminary negotiations, pre-visual research and analysis, visual conceptualization, points of view, attitude, document design, document production, and post-production. This course examines the principles of typographic design, word design, page organization, page layout, integration of words and images, character styles, paragraph styles, layout design, tiling, scaling, textures, and illustrations. This course investigates color theory, additive and subtractive color models, complementary colors, patterns and rhythms. Students will apply their knowledge to design flyers, brochures, CD/DVD covers, and product packaging. Students must have access to Adobe InDesign CS5 or higher. This software is not provided by the course material grant and must be purchased/provided by the student.

DSIN241 Illustration & Design Using Adobe Illustrator (3 hours)

This course examines the process of designing, developing, and deploying text and graphics in the industry standard vector graphics software application, Adobe Illustrator CS5 or higher. Students will develop illustrations that take advantage of the broad set of tools, effects, and attributes available in Illustrator. They will learn to edit existing vector graphics files, and how to structure and manage vector graphics files for maximum efficiency and effectiveness. They will learn to format files for use in other applications and for output to a variety of imaging devices. Students must have access to Adobe Illustrator CS5 or higher software.

DSIN242 Motion Graphics Using Adobe Flash (3 hours)

This course examines the process of designing, developing, and deploying text and graphics in motion in order to create a dynamic and interactive experience for the web user. Students will develop storyboards, perform interaction design, animate type, and set illustrations in motion. Students will examine and apply the theories and concepts behind developing illustrations, character animations, layers, frames, masks, symbols, libraries, motion tweens, shape tweens, nested objects, animated shows, and ActionScript. They will add audio and video to enhance the quality of the visual experience. Adobe Fireworks will also be introduced. Students must have access to Microsoft Internet Explorer 7.0 (or higher), Adobe Fireworks CS5 (or higher), Firefox 2.0 (or higher), and Adobe Flash Professional CS5 (or higher) software. This software is not provided by the course material grant

and must be purchased/provided by the student. This course covers lessons 24–29 of the Web Design curriculum of the CIW Web Design Specialist certification.

ENTD200 Fundamentals of Programming (3 hours)

This course introduces students to writing computer programs. The class presents the principles of structured programming using the BASIC language, perhaps the most common language for personal computers. Because of its ease of use it is ideal as a first programming language and runs on both the PC and Macintosh platforms. The course is designed for people without previous programming experience who do not necessarily plan on becoming professional programmers. However, the knowledge gained in the class can be applied later to other languages such as C and Java. Participants learn to solve problems logically by breaking them into smaller pieces, which can then be solved. Topics include: introduction to computing - how does a computer work?; input and output - getting information to and from the user; variables and expressions - performing arithmetic; data statements - reading information from inside the program; text files - reading information from other files; arrays - groups of variables; debugging - finding errors in your program; graphics - graphs, boxes, shaded areas; and formatting - changing how things look on the screen. Alice, an innovative 3D programming software, is used to provide a more interactive and accelerated learning experience in this course. Students should download Alice and conduct system checks by validating the best version for their computer before enrolling into the course. Go to the www.alice.org website for more information.

ENTD211 Introduction to Software Design (3 hours)

This course will introduce standard notations and metaphors and patterns used in software design, so that the learner becomes familiar with reading and interpreting design documents. Familiarity with design patterns and modeling notations allows software developers, even those who do not actively participate in producing design documents, to better understand software documentation, before, during, and after system implementation. Familiarity with object-oriented programming languages is strongly encouraged. NOTE: Alice, an innovative 3D programming software, is used to provide a more interactive and accelerated learning experience in this course. Students should download Alice and conduct system checks by validating the best version for their computer before enrolling into the course. Go to the www.alice.org website for more information.

ENTD261 Scripting Languages for the Administrator (3 hours)

This course introduces the scripting languages necessary in custom programming for server administration and security purposes. Introductory level programming will be covered using scripting languages such as JavaScript, VBScript, Windows Shell Script, Perl and BASH. Previous programming experience is recommended.

ENTD311 Analysis and Design of Information Systems (3 hours)

This course is an overview of the system development life cycle. Emphasis on current system documentation through the use of both classical and structured tools/techniques for describing process flows, data flows, data structures, file designs, input and output designs and program specifications. Discussion of the information gathering and reporting activities and of the transition from analysis to design.

ENTD313 Mobile Application Design and Development (3 hours)

This course is an introductory study of mobile application design and development and how mobile devices enhanced by mobile application software are changing the face of technology. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding software such as iOS, Palm webOS, Symbian OS, and Windows Mobile, which use customized application software on various mobile devices. The course cements a theoretical overview of mobile application, design and development issues, and practical application concerns. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

ENTD321 Object Oriented Programming and UML (3 hours)

This course is a study of the principles, practices, and technical architecture and development characteristics of Object Oriented Programming and an examination of the differences between object oriented programming and traditional programming. It examines objects, instances, classes, inheritance, polymorphism, encapsulation, abstraction, methods, attributes, tight-encapsulation, interfaces, type casting, type conversions, and object libraries. This course differentiates between single-

inheritance model and multiple inheritance models. This course also explores the foundations of the Unified Modeling Language (UML), class models, state models, and interaction models. (Prerequisite: ENTD200 OR ENTD211)

ENTD322 Application Development for the Droid (3 hours)

This course is a study of application development for the Motorola Droid and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding Motorola Droid. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the Android platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. (Prerequisite: ENTD200 OR ENTD211)

ENTD331 Application Development for the Blackberry (3 hours)

This course is a study of application development for the Blackberry mobile device and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding the Blackberry devices. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the Blackberry platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. (Prerequisite: ENTD200 OR ENTD211)

ENTD333 Application Development for the iPhone and iPad (3 hours)

This course is a study of application development for the iPhone and iPad mobile devices and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding iPhone and iPad mobile devices. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the iOS platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. Students need the latest XCode installed, which is available from the Appstore, and XCode must be installed before class begins. Students must have access to an Apple Inc. computer with XCode installed to successfully complete this course. Students also need intermediate level programming experiences and/or knowledge to do well in the course. Students must have previous programming experiences using an object-oriented C-based language such as C#, Java, or C++. (Prerequisite: ENTD200 or ENTD211 or ENGR200 (for Engineering majors))

ENTD361 Enterprise Development Using VB.NET: Introduction (3 hours)

This course is a study of the .NET framework. Students will examine the differences between Visual Basic (VB) and VB.Net, the Common Language Runtime (CLR), Microsoft Intermediate Language (MSIL), the XML Web Services platform, .NET Framework Class Library, and examine Visual Studio.NET and Visual Basic.NET (VB.NET). They will create classes, properties, methods, constructor methods, sub-procedures, and function-procedures. They will handle events, explore datatypes, build Window forms and Web Forms, add and interact with controls, specify events, develop event-handling code, and add menus. They will also evaluate ADO.Net, choose an ADO.Net provider, connect to a database, and perform database interactions. Students must have access to Visual Studio 2008 or Visual Basic 2008 Express Edition (or higher). This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD371 Database Driven Web Applications Using PHP & MySQL (3 hours)

This course focuses on the roles and functions of relational databases in the management of information; it will be taught from a mixture of analytical and practical methods. This course is a study and application of database architecture, logical schema, the full life cycle database application development process, and the principles of relational database design in the context of the MySQL Relational Database Management System (RDBMS). Students will examine the rudiments of referential integrity and normalization and use the ANSI standard Structured Query Language (SQL) to design, develop and deploy databases. They will use PHP to interact with the database, to extract data, deploy it on the web, and examine the syntax and constructs of the language, cookies, system functions, user-defined functions, sessions, and database connectivity. The student will also explore the PHP Framework, PHP syntax, cookies, sessions, database connectivity, database-driven web interfaces, and interactions with ODBC compliant relational databases. Students must have access to MySQL 4.1 (or greater) database software. This software is

not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: INFO221 and ENTD200 or ENTD211)

ENTD381 Object Oriented Programming With Java (3 hours)

This course is a study and application of the principles and concepts of Object-Oriented Programming (OOP) as it is implemented in the world of Java; including inheritance, encapsulation, and polymorphism. It appraises the processes and practices used to develop IT solutions that are reusable, modular, and small; all of which are popular objectives in the world of IT management. This course explores the inheritance (is a), containment (has a), and collaboration (use a) relationships; and examines the major packages in the Java Class Library, strings, arrays, classes; instantiation, properties, methods, constructor methods, method overloading, method overriding, inheritance modifiers, access modifiers, interfaces, and packages. This course also assesses exception handling with the use of "try," "catch," and "finally." Students must have access to the latest edition of the Java Development Kit. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 or ENTD211 or ENGR200)

ENTD411 Application Development (3 hours)

This course covers issues of software project development from the application developer's perspective: from conception, to prototyping, to interfacing with analysts, supervisors/team leaders and management, through to product testing, release, and maintenance. Also covered are issues related to revision control, coding under stress, and strategies for dealing with budget and schedule overruns. Useful both for aspiring software engineers and those who would benefit from better understanding developers' issues. Particular attention is given to strategies for maintaining code quality, programmer productivity, and coding and design standards under budget, staffing, and time constraints. Lateral versatility of the developer within project roles across a project's life span (such as often occurs in small software companies) are also emphasized.

ENTD412 Systems Engineering (3 hours)

This course takes an in-depth look at key concepts and techniques for system engineering and analysis. It explores the life cycle approach of bringing systems into being. The course will examine the various methods and techniques for integration system design within the system engineering process. Students will examine essential systems concepts, methodologies, models, and tools needed to avoid costly and disruptive systems, which are a result of poor requirements definition and analysis. Students must have access to MS Visio 2000 or higher.

ENTD413 Advanced Mobile Application Design and Development (3 hours)

This course is an advanced study of mobile application design and development and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding the subject. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the target platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course.

ENTD461 Enterprise Development Using VB.NET: Advanced (3 hours)

This course is a study of the theory and application of developing dynamic desktop and web-based applications using the .NET Framework and Visual Basic.NET (VB.NET). This course examines the architecture of the VB.NET IDE, the rudiments of the VB.NET programming language, the .NET Framework Class Library, OOP Design, Design Patterns, overriding members, overloading members, component-based programming, exception handling, interface-based programming, common windows controls, file management, control licensing, ADO.NET, connection pooling, and data validation. They will also interface with relational databases, use the GDI class library, draw graphics, perform graphic transformations, build MDI applications, and use access modifiers to control visibility. Students must have access to Visual Studio 2008 or Visual Basic 2008 Express Edition (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD462 Enterprise Development Using ASP.NET (3 hours)

This course is a study of the theory, concepts, and applications of the Active Server Page (ASP.NET) web development

environment. Students will learn about working with the page (HtmlForm class, error handling, tracing, page personalization, and rich page composition), the ASP.NET object Model (request, response, server, session, application, global.asax file, and collaborative data object), data providers (managed providers, SqlConnection class, and SqlCommand class), data containers (SqlDataAdapter, DataSet, DataTable, and DataView objects), data source based data binding, and managing the HTTP Request Context and life cycle. The student will also manage and establish state across HTTP connections, explore caching, and examine ASP.NET's security architecture ("session hijacking," Forms authentication, membership and role management, and security related controls). Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition software (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD463 Enterprise Development Using C# (3 hours)

This course is a study of the C# language and its object-oriented facilities to create applications using the .NET Framework. Students will explore data types, classes, methods, parameters, properties, interfaces, iteration, conditional branching, constructor methods, and destructor methods. They will examine parameter passing, method overloading, method overriding, access modifiers, exception handling, and event handling. They will also create forms with controls, and with event handling for these controls. Students will also use Visual Studio.Net to set profiles, create projects, use the solution explorer, set references, set project properties, use the code editor, define assembly information, compile the code, run the application, and debug the program. Students must have access to Visual Studio software. Students must have access to Microsoft Visual Studio 2010 or Visual C# 2010 Express Edition or higher. (Prerequisite: ENTD200 OR ENTD211 and ENTD361)

ENTD464 Enterprise Development using .NET: Project (3 hours)

This course evaluates the process for designing, developing, and deploying .NET enterprise applications. This course is a culmination of courses on Visual Basic.Net, ASP.Net, and C#.Net; the student will apply the knowledge and skills learned in these courses to develop and deploy a web-based application. This course investigates the process for configuring the .Net Framework and examines the issues related to project integration and application deployment. Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition (or higher) and Microsoft Access 2007 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD465 Application Development for Windows Mobile Operating Systems (3 hours)

This course is a study of Microsoft application development for mobile/embedded devices. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding application development using Microsoft's software. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications. The course allows the students to experience maximum amount of application and retention of material covered in the course. (Prerequisite: ENTD200 OR ENTD211)

ENTD481 Enterprise Development using J2EE (3 hours)

This course focuses on the concepts and principles of designing, developing, and deploying N-Tier Java based enterprise web applications. It examines the architectures, the process, the Java Servlet life cycle, and the practices for developing and deploying Java Server Pages (JSP), Java Servlets, and JavaBeans based enterprise web applications. This course also explores the concepts of Java Database Connectivity (JDBC), connection pooling, exception handling, data integrity, and transaction controls. It assesses the impact of enterprise web architectures and applications on global ecommerce and economies. Students must have access to the latest edition of the Java Development Kit, J2EE Development Kit, and J2EE Web Server. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD381)

INFO111 Enterprise Data Presentation with Crystal Reports (3 hours)

This course is a study of the principles of data presentation and the use of Crystal Reports to visualize data. Students will explore the facilities of Crystal Reports (Design Window, Toolbars, Field Explorer, Database Expert, Record Sort Expert, Group Expert, Formula Workshop, Formula Editor, Select Expert, Section Expert, Business Views, and Repository). They will export and import data to MS Office Applications such as Word and Excel. They will parameterize reports, conditionally format reports, customize the appearance of reports, build custom functions, create business views, specify data security, and control user access. Students must have access to Crystal Reports software. This software is not provided by the course material grant and must be

purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO161 or INFO171 or INFO221)

INFO161 Relational Databases with MS Access: Introduction (3 hours)

This course focuses on the role, function, and operations of relational databases in the management of information. The course will be taught from a mixture of analytical and practical methods. This course introduces the student to the concepts of relational databases and to the principles of relational database design in the context of the Microsoft Access Relational Database Management System (RDBMS). Students will apply their knowledge of the principles of data design and database engineering to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation. They will examine the rudiments of referential integrity and normalization and apply this knowledge to design the database tables that implement validation rules to ensure application integrity. They will also examine and develop advanced queries such as: top values, list of values, cross tab, find duplicates, and find unmatched. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. The book meets the topical requirements for the Microsoft Office Specialist (MOS). Course software requirements with the appropriate versions are listed under the course materials site.

INFO171 Relational Databases with Oracle: SQL Introduction (3 hours)

This course is a study of data modeling and database design. It applies the relational database model to construct Entity Relationship (ER) diagrams using ER Modeling. Through a study and application of the American National Standards Institute (ANSI) Standard Structured Query Language (SQL) constructs the course introduces data definition (create, alter, drop), data manipulation (insert, update, delete), and transaction control (commit, savepoint, and rollback), and defining, altering, and deleting primary keys, foreign keys, and constraints. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

INFO221 Relational Database Concepts (3 hours)

This course is an introduction to the concepts, management issues, and advantages of relational database management systems. Topics include data definition, data manipulation, relational algebra, Structured Query Language (SQL), and Online Transaction Processing (OLTP) systems. This course examines database design, normalization for OLTP systems, Codd's rules for OLTP systems, data integrity, database system functions (journaling, forward recovery, backward recovery), database security (authentication and authorization), and database administration. This course also explores distributed databases, Online Analytic Processing (OLAP) systems, data warehouses, and object-oriented databases. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

INFO261 Relational Databases with MS Access: Advanced (3 hours)

This course focuses on developing Microsoft Access Switchboard applications; it includes: designing and building form and report interfaces, interfacing the Access database to a web page, building dynamic web pages, integrating Access with other Office applications such as Excel, building pivot tables and charts, categorizing the various types of join operations, examining the rudiments of the Visual Basic for Applications (VBA) code, debugging VBA code, creating macros and functions, and designing Access applications. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO161)

INFO262 Relational Databases with MS Access: Project (3 hours)

This course is a study and application of the MS Access VBA Programming; it takes you from using Access to programming with Access. This course translates ERD diagrams into database designs, examines the VBA programming model, converts macros to VBA code, delves into the rudiments of the Visual Basic for Application (VBA) language system, uses the VBA editor, uses VBA to connect to Access, utilizes VBA to perform DDL actions in Access, creates sub procedures, implements functions, handles errors, performs debugging, and utilizes the built-in functions. This course also includes implementing database access in Windows-based and Web-based solutions. This course also includes an examination of the Security Model in the context of Access and VBA.

Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO261 and INFO221)

INFO271 Relational Databases with Oracle: SQL Intermediate (3 hours)

This course is a study and application of the American National Standards Institute (ANSI) Standard Structured Query Language (SQL) constructs for an advanced level of data definition (create, alter, drop), data manipulation (insert, update, delete), and transaction control (commit, savepoint, and rollback). The course builds on the techniques learned in the introductory course for database design and implementation. It explores the database life cycle through conceptual, logical, and physical design phases. The course examines the correlation between SQL and relational algebra; user access and control; transactional integrity; referential integrity; concurrency control; and database objects such as views, complex views, SQL functions, and sequences. Advanced topics discussed in the course include: database performance tuning, query optimization, distributed database systems, business intelligence, data analytics, data warehousing, cloud computing services, and the administration of database systems. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO321 Database Management Systems (3 hours)

This course is a study of major advancements in database technology that have taken place in recent years. It does not assume any prior background in the field of databases, and, hence, starts with basic introductory concepts, but covers advanced topics as well. The course will cover both conceptual and hands-on material in the area of database management, thus enabling students to have the maximum amount of comprehension and retention of material covered in the course. The student must have access to MS Access. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

INFO331 Management Information Systems (3 hours)

This course provides a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's management environment. This course covers the hardware, software, and infrastructure that support management information systems. Information and decision support systems, knowledge management and specialized information systems, database management systems, telecommunications, the Internet, Intranets, Extranets, and wireless networks will be examined. This course also covers systems development, e-commerce, and the ethical and societal impact of management information systems.

INFO361 Relational Databases with MS SQL Server (3 hours)

This course is a study of the principles of relational databases, the ANSI standard Structured Query Language (SQL), and the Microsoft Transact-SQL in the context of Microsoft SQL Server. Students will create, alter, and drop tables; create, alter, and drop constraints; create, alter, and drop views; and create, tune, and drop indexes. They will also build transactions, triggers, Transact-SQL queries, and stored-procedures. They will review triggers to implement data integrity and business rules. They will use DTS packages and transformations, the Enterprise Manager, Query Analyzer, and Database Configuration interfaces. They will also create and manage databases, database devices, backups, and restores; import/export data; and schedule automated tasks. Students must have access to Microsoft SQL Server software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO161 or INFO221 or INFO321)

INFO371 Relational Databases With Oracle: PL/SQL (3 hours)

This course is a study and application of the procedural language overlay on the ANSI standard Structured Query Language (SQL) to enable students to access tuples, one at a time. Knowledge of this complex procedural component will enable students to develop Programming Units that are characterized by block structure, control structures, variables, constants, operators, implicit and explicit cursors, and exception handling (both system- and user-defined). This course examines study and application of procedures, functions, packages, and triggers. Knowledge of procedures, functions, packages, triggers, events, restrictions on triggers, the trigger firing sequence, and the use of triggers to perform auditing functions. This course also covers Object-

Relational database concepts and Object Oriented Programming Structures (OOPS) and explores dependencies in Procedures and Functions. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO399 Information Technology Practicum (3 hours)

The field of Information Technology (IT) is multi-faceted; it includes technology areas such as database development, web based applications, business intelligence, visual communications, data analysis, software development, network security, cybercrime, digital forensics, security auditing, security certification, service delivery, and governance. The IT industry requires credentialed professionals that are academically sound and that have the ability to complete real world IT projects. This course provides an opportunity to integrate academic rigor with real world experience; to apply theory to solve real world problems, to make the learning experiential, to facilitate project-based learning, and to integrate scholarship with practice. This course is a supervised practicum; students must submit project plans and obtain Faculty member approval prior to beginning any work on the project. The requirements of the project plan will be provided in the syllabus; it should include the project sponsor, manager, scope, objectives, methodology, progress reporting, deliverables, and schedules. The student must also submit progress reports and a final report that includes an acceptance sign-off from the project sponsor. The Faculty member also has to approve the completed project in order for the student to earn a successful grade in this class. The student is responsible to have access to all the necessary software, documents, and other materials necessary to fulfill the requirements of this course. Enrollment is contingent upon the approval of the faculty member.

INFO471 Relational Databases With Oracle: Forms & Reports (3 hours)

This course is a study and application of the User Interaction for enterprise relational database systems. Topics include: the architecture of Forms and Reports interface, the anatomy of the Form Module and its various components, such as: blocks, frames, items, attributes, editors, windows, canvases, messages, alerts, menus, and objects. This course also examines the implementation of data integrity using various types of triggers, including: input, non-input, message, alerts, query, validation, navigational, and transactional; it also addresses reusability and interface efficiency using modular Program Units, Libraries, Menus, and Pop-up Menus. This course is also a study and application of the theory, concepts, and applications associated with parameterized and non-parameterized Data Retrieval and Analysis. It also appraises report template libraries to standardize reports for the enterprise; and the Reports Server to manage and disseminate reports across the enterprise. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO498 Information Technology: Capstone (3 hours)

This capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology. The student will complete an approved academic project and paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, and assesses their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Technology courses have been satisfactorily completed. Students must have senior standing in the program and must demonstrate that they have taken all other IT courses in their degree plan prior to registering for this course. (Prerequisite: Senior Standing and ENGL101)

ISSC321 Computer Systems Organization: Intermediate (3 hours)

This course is a study of computer systems, computer organization, computer subsystems, and operating systems. This course examines CPUs, motherboards, basic input/output systems, memory subsystems, bus structures, expansion cards, ports, connectivity, interfaces, data storage subsystems, and multimedia interface devices. This course also evaluates computer monitoring, computer systems management, operating systems, networking, and security. This course covers the A+ Certification Essentials curriculum.

ISSC322 Computer Systems Organization: Advanced (3 hours)

The course is an advanced study of computer systems and subsystems, processor design, CPU architecture, number systems used

in computing, storage subsystems, and memory subsystems, This course also examines the OSI model, networking, , security, performance management, and capacity planning. This course covers the CompTIA A+ Certification curriculum. (Prerequisite: ISSC321)

ISSC323 Computer Hardware Systems (3 hours)

This course is a technical study of the hardware systems and architectures in a computer system; it appraises expansion cards, storage subsystems, IO interface subsystems, operating system, Local Area Networking (LAN), Internet connectivity, and security. This course also examines the processes for analyzing problems and for synthesizing solutions related to computer hardware systems.

ISSC325 Biometrics (3 hours)

This course presents an introduction to biometrics, the study of recognizing individuals based on their unique physical or behavioral traits related to computer and information security. Authentication, authorization, identification, and access control through biometric perspective are emphasized. The course orients practical applications of biometrics in the real world, providing a realistic view of the use of biometrics within the emerging threats in information security.

ISSC326 Cloud Computing (3 hours)

This course will delve into all aspects of a Cloud Computing implementation, starting from a definition of what it actually means and assessment of whether it is suitable for a given company to the strategy alignment, implementation and operation of a working solution. It will cover Infrastructure-as-a-Service, Platform-as-a-Service, and Software-as-a-Service as the many integration and management components that are necessary to make this work together to fulfill business requirements.

ISSC331 Legal Issues in Information Security (3 hours)

This course examines information security issues and the law. The rapid growth of technology has given rise to legal issues surrounding technology. Information security is the practice of protecting information to ensure the goals of confidentiality, integrity and availability are met. Information security makes sure that accurate information is available to authorized individuals when it is needed. When governments, private organizations, and individuals do a poor job of protecting the information entrusted to them, legislatures respond with new laws. The course will examine key conflicts involving technology and the legal system to include: privacy issues, civil, criminal, and administrative law, Children’s Online Privacy Protection Act (COPPA), Sarbanes Oxley, and information security governance. This course examines current literature on such topics.

ISSC340 Local Area Network Technologies (3 hours)

This course introduces the student to local area networking concepts in an easy to understand way. In today’s competitive business world, one needs to have a basic understanding of the networking technology that runs it. Whether they choose to delve full bore into the technical side of networking or use what they learn to make an informed decision regarding the design, implementation, and maintenance of their local area network, this course will give the student a good foundation to build upon. Students must have access to MS Visio software. Course software requirements with the appropriate versions are listed under the course materials site. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category.

ISSC341 Introduction to Networking (3 hours)

This course is a study of the evolution, the concepts, and the principles of local, distributed and enterprise networking. This course examines Network design, topologies, architecture, media, interface cards, protocols, problem resolution, communications, administration, operations, and resources. It introduces the student to the concepts of wireless networking, and web-based networks. This course also explores the Open Systems Interconnection (OSI) and the Transmission Control Protocol/ Internet Packet (TCP/IP) reference models. This course also examines internetworking servers, and hardware and operating systems maintenance. Students will need access to Microsoft Internet Explorer with Outlook Express, Microsoft Visio or equivalent network diagramming software, Java Runtime, Phex, and FineCrypt. The software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

ISSC342 Operating Systems: Hardening and Security (3 hours)

This course is a study of the principles and concepts of Network Security from the perspective of the Operating System (OS). It places emphasis on discovering the vulnerabilities of the standard Operating Systems (OS) to attacks and focuses on the methodologies and measures necessary to take a proactive and preventive stance to address security vulnerabilities. Students will examine the principles, practices, and policies related to hardening and securing Operating Systems so they are impervious to security threats. It focuses on the vulnerabilities and the related countermeasures of various Windows components (Domain structures, domain trusts, security account manager, policies, profiles, file system, IP services (DHCP, DNS, IIS, TCP/IP printing, RPC, RIP for Internet protocol, SNMP), DCOM, Registry, Active Directory, Encrypting File System (EFS), IPSec, and public key certificate services). This course also discusses vulnerabilities and countermeasures related to UNIX (file system, access control, UID, GID, root password, console password, password shadowing, UNIX kernel, IP services, Inetd, TCP wrapper, variants (AIX, IRIX, Solaris, Linux), "r" services, finger services, Telnet, FTP, Gopher, HTTP, and SSL). Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC343 Wireless Networks (3 hours)

This course offers a framework for learning the latest developments and trends in ad-hoc wireless and mobile communications. The course provides a complete coverage of the wireless ad-hoc networks: principles, protocols and applications. The course will look at the characteristics and operations of contemporary ad-hoc wireless network technologies. Students will study the impact of wireless transmission and user mobility with an emphasis on the design and management of ad-hoc wireless mobile systems. Students must have access to MS Visio software. Course software requirements with the appropriate versions are listed under the course materials site. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category. (Prerequisites: MATH110, MATH111, MATH125 or MATH225)

ISSC344 Open Source System Security (3 hours)

This course is an introductory study of the principles, practices, procedures, and methodologies to provide security on Linux systems. It assesses the security risks, threats and vulnerabilities related to individual and enterprise Linux environments. Course topics include: user privileges and permissions, file systems volumes and encryption and kernel security risk mitigation. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC345 Service Oriented Architecture (3 hours)

This course examines the various aspects of a Service-oriented Architecture (SOA). It explores the comprehensive plan to interrelate business with technology. It displays how SOA combines the talents and skills of an entire organization, with its requisite needs and computing know-how. It focuses on the necessary tools—processes, best practices, and standards—for developing a sound SOA, Service-Oriented Modeling: Service Analysis, Design, and Architecture. It also introduces a service-oriented modeling framework that employs an agile and universal business and technology language to facilitate analysis, design, and architecture initiatives.

ISSC351 Computer Forensics (3 hours)

The explosion in the use of the Internet and the ensuing growth in cybercrime have given rise to the field of computer forensics (also called digital forensics). Digital forensics is used to assemble digital evidence to prosecute cybercrime, analyze intrusions, mitigate risk, and for data recovery. This course examines the theory, best practices, and methodologies to conduct computer forensics investigations; it includes the ethical issues, data presentation, and chain-of-evidence procedures. It also appraises current tools and technologies to analyze, acquire, and organize digital evidence. This course maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC361 Information Assurance (3 hours)

This course is a study of the discipline of Information Assurance that focuses on protecting information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation. This course delves into the deliberate engineering, planning and implementation of the five major areas in any enterprise: hardware, software, networks, people, and policies. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical III, Management II and Management III categories. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC362 IT Security: Attack & Defense (3 hours)

This course examines the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This course addresses the techniques, the technologies, and the methodologies used by cyber intruders (hackers) to select a target and launch an attack. An understanding into the mind and psyche of the hacker is essential to anticipating the moves of the hacker and to design effective countermeasures. This course focuses on techniques and technologies to detect such attacks even while the attack is in progress; early detection enables the administrator to track the movements of the hacker and to discover the intent and goals of the hacker. This course assesses the various countermeasures to keep the system out of the “sights” of the hacker and to keep the hacker out of the perimeter of the target network. This course also explores the laws and the legal considerations in prosecuting computer crime. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC363 IT Security: Risk Management (3 hours)

This course explores Networking Security from the perspective of risk management and confirms that assessment of IP based Network systems is critical to developing strategies to mitigate and manage risks. This course focuses on effective assessment strategies that ultimately help the student to implement effective and proactive risk mitigation measures and risk management practices. It exposes the vulnerabilities of TCP/IP; and appraises risk assessment, risk analysis, risk mitigation, risk management, networking components and Virtual Private Networks (VPN). This course examines the tools and techniques used to attack, test and assure the security of the remote information, maintenance, FTP, database, email, UNIX RPC, and IP VPN services. The student will apply this knowledge to develop an assessment methodology that identifies, attacks, and penetrates IP based network systems. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC364 IT Security: Access Control and Authentication (3 hours)

This course examines a broad range of network security issues. It explores how access controls protect resources against unauthorized viewing, tampering, or destruction and serves as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized access and disclosure. It focuses on access control, such as components, processes, controls, and authentication, as well as security breaches, organizational behavior and social engineering, physical security, remote access control, public key infrastructure and encryption, cryptography, testing, and information assurance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC366 IT Security: Cryptography (3 hours)

Cryptography provides a critical foundation upon which much of computer security is based. Cryptography is necessary to provide both integrity and confidentiality of the data that is exchanged in a computer network. There are many methods of encryption, and each has its strengths and weaknesses in terms of performance, security, and requirements for management of secret information used to hide or disclose information. This course will provide an intensive overview of the field of cryptography, providing a historical perspective on early systems, building to the number theoretic foundations of modern day cryptosystems. Students will learn how cryptosystems are designed, and to match cryptosystems to the needs of an application. Students will also study basic cryptanalysis and will be presented with real life breaches of common cryptosystems so that they better understand the dangers within cryptosystem design and in the design of systems that rely on cryptography. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC368 IT Security: Physical and Peripheral Defense (3 hours)

The course covers physical security requirements in a network enterprise on varying levels including physical protection against internal and external threats that may impact people, property, and other data and networked assets. Students will learn how to assess and protect these assets via multiple layers of physical security. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC386 Green Computing: Foundations and Strategies (3 hours)

This course provides a basic understanding of the overall environmental need for an organization to adopt a Green IT strategy including: Climate Change, dangerous and exploitive working practices, the effect of hazardous waste use and disposal, consumption of precious resources such as oil, gas and water. The course identifies an organization's external drivers and opportunities for greening its IT including: political, environmental, social and legal.

ISSC387 Green Computing: Advanced Topics (3 hours)

This course provides an overview of the current research focusing on ways to make computing greener and more efficient, the reference used in this course is the first research-level book devoted to green computing and large-scale energy efficiency. With contributions from leading experts in the field, the book presents current research and developments in hardware, systems software, run-time systems, programming languages, data center management, and applications. It also covers the emerging green movement in computing, including the Green Grid and the Green 500 list, as well as important programs in grassroots organizations and government agencies. (Prerequisite: ISSC386)

ISSC411 Application Security (3 hours)

This course is an introductory study of the principles, practices, procedures, and methodologies to ensure security of data within web-based applications. It examines secure coding practices and processes, web application security configuration management techniques, and web application security standards. It appraises the convergence between web application security and associated threat vectors/attack methods. It appraises secure development processes, web application secure configuration techniques, and legal issues related to securing vital digital assets. Course topics include: Secure Configuration & Development, Vulnerability & Risk Mitigation, Vulnerability Assessments & QA Testing, and PCI DSS Compliance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC421 Computer and Network Security (3 hours)

This course will discuss both computer and network security, from the wetware (human), software, and hardware perspectives. The "wetware" component will deal with identification of potential risk situations, establishing policies for avoidance, recovery, and prosecution, and proactive measures to reduce causal factors for security breaches in an organization. The "software" perspective will examine types of inappropriate software activity, as well as asset protection issues (recognizing software assets). This component will also address software tools available to assist in reducing administrative costs due to both malicious and accidental loss. The "hardware" component will address hardware approaches to protecting assets, as well as hardware techniques used to compromise assets. Specific technologies discussed include firewalls, symmetric key encryption, public key encryption, digital certificates, and cryptographic systems (SSL/TLS, VPNs, and Kerberos). Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC422 Information Security (3 hours)

This course allows students to examine a broad range of computer security issues and provides the student with technical knowledge not normally addressed in traditional training. It explores the protection of proprietary information and security planning with an emphasis on networked computer vulnerabilities. It also focuses on detection (e.g. viruses, hackers, types of computer crime, computer forensic examination, etc.), as well as disaster recovery and technology law. A primary focus is put on security of systems and computer crime prevention. Also addressed is the maturing criminal population with increased computer literacy, whose tendency is to move from violent actions to more profitable computer crime. Finally, issues of privacy and freedom of information are examined. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical II and Management I categories. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC424 Virtualization Security (3 hours)

This course is an introductory study of virtualization security including the types of virtualization, the importance of securing virtualized networks and discussions of the various virtualization program offerings. The course will provide an overview of the current virtualization technologies in use in most environments. Course topics include: Introduction to Virtualization, VMware ESXi on Linux, Microsoft Virtualization, Citrix Xen Virtualization, Sun Virtualization, Red Hat Enterprise Linux Virtualization, and Virtualization Security. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC426 Cloud Security and Privacy (3 hours)

This course will provide necessary guidance to build a proper audit to ensure that operational integrity and customer data protection, among other aspects, are addressed for cloud based resources. This course will serve as a cloud computing reference for auditors and IT Security Professionals. It will also provide information to assist in preparing for an audit addressing cloud computing security and privacy for both businesses and cloud based service providers. (Prerequisite: ISSC326)

ISSC431 Database Systems Security (3 hours)

This course is an introductory study of the principles, practices, procedures, and methodologies to ensure security of data at rest within databases. It appraises the convergence between database security and associated threat vectors and attack methods. It examines database types, security architecture, platform fundamentals, user administration, password management, security models, virtual private databases, and auditing models. It reviews database security processes, security configuration techniques, and auditing checklists. Course topics include: Secure Architecture, Privilege Management, and Auditing Processes. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC441 Network Telecommunication Concepts (3 hours)

This course provides a solid background of fundamentals to tomorrow's information systems professionals. Data communications keeps a balance between the super-technical and the watered-down subject, providing a solid understanding not only of how things work, but how they can be applied to create business solutions. This course also covers technologies such as Bluetooth, highly elliptical orbiting satellites, V.92, code division multiplexing, and wireless technologies.

ISSC451 Cybercrime (3 hours)

The rapid change in technology and the exponential growth in the use of the Internet have resulted in an increase in the number of computer and technology related crimes. This course is designed to provide students with the foundational knowledge and technologies needed to detect, investigate, and prevent computer related crimes. Topics to be covered include: cybercrime classification (hacking, denial of service attacks, cyberstalking, cyberbullying, virus dissemination, identity theft, electronic funds transfers, phishing, spoofing, Internet fraud, access device fraud and salami attacks), vulnerability of computer systems and computer applications, computer intrusions and attacks, the impact of cybercrime (social, economic, and legal), investigation of digital evidence, computer forensics, and the prevention of cybercrime. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351)

ISSC452 Cybersecurity (3 hours)

This course examines the practices for assuring information security. The various roles and functions within the Cybersecurity practice will be combined and leveraged to produce a secure organization. Case studies will be used to examine theories and practices drawn from real world situations. The numerous pitfalls of Cybersecurity will be presented with everyday practices of securing companies resources from attack. This course will examine the frameworks, roles, and competencies involved with information security. The fundamentals of Cybersecurity will be examined to include: network and security concepts, attacker techniques, data security, system and applications security and incident response techniques. Current literature will be examined on such topics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC455 Digital Forensics: Investigation Procedures and Response (3 hours)

This course is an introduction to Computer Forensics Investigation Procedures and Response. It provides a basic understanding of the importance of computer forensics, how to set up a secure lab, the process for forensic investigation including first responder responsibilities, how to handle various incidents and information on the various reports used by computer forensic investigators. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC456 Digital Forensics: Investigating Wireless Networks and Devices (3 hours)

The growth of wireless networking technologies has given rise to many security issues. Wireless technology has become popular because of its convenience and low cost. This course pertains to the study of Computer Forensics Students will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. An overview of cybercrime and security will be addressed by explaining the basic security procedures and will include discussions of the various security threats that today's users face. This course will prepare students to gather all necessary information and evidence to support prosecution in a court of law. This course will examine wireless networks and devices and will discuss how to investigate wireless attacks, as well as PDA, iPod, iPhone, iPad, and Blackberry forensics. Current literature will be examined on such topics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC457 Digital Forensics: Investigating Network Intrusions and Cybercrime Security (3 hours)

The increase in the use of the Internet and ensuing growth in cybercrime have given rise to the field of digital forensics. Students

will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. This course examines computer related crime and abuse cases in order to gather all necessary information and evidence to support prosecution in a court of law. Collection of evidence, investigating information hiding, and intrusion response techniques will be explored. This course will examine network intrusions, network traffic, web attacks, DoS attacks and corporate espionage. Current literature will be examined on such topics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC458 Digital Forensics: Investigating Data and Image Files (3 hours)

This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of steganography, data acquisition and duplication. It examines how to recover deleted files and partitions and image file forensics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC459 Digital Forensics: Hard Disc and Operating Systems (3 hours)

This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of file systems, hard disks and digital media devices. Boot processes, Windows and Linux Forensics and application of password crackers. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC461 IT Security: Countermeasures (3 hours)

This course is a study of Network Security attacks and countermeasures. This course examines various security technologies, such as: intrusion detection, authentication, session hijacking, sniffing, spoofing, denial of service, buffer overflow attack, port scanning, encryption, IPSec, DES encryption, triple DES encryption, message digest 5 algorithm, point-to-point tunneling protocol (PPTP), layer 2 tunneling protocol (L2TP), Kerberos, RSA Pretty Good Privacy(PGP), Secure Shell (SSH), Secure Sockets Layer (SSL), Stateful Packet Inspection (SPI), Network Address Translation (NAT), proxies, content filters, public/private keys, Public Key Infrastructure (PKI), Virtual Private Networks (VPN), security policies, security tokens, digital certificates, viruses, worms, Trojan horses, virus scanners, virus protection, vulnerability assessment, and vulnerability scanners. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC471 IT Security: Auditing (3 hours)

Security is one of the most important concerns in the world of Information Technology. This course examines the technical issues and the administrative practices to implement and manage security; in particular, this course focuses on the principles of security auditing. This course explores the various technologies and tools to assist with discovery and auditing in the world of security management. This course also assesses the audit practices, audit processes, audit plans, discovery process, discovery software, penetration strategies, identification of potential attacks, log analysis, user baseline analysis, activity analysis, risk assessment, roles and responsibilities, and the roles and responsibilities of security auditing professionals. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC481 IT Security: Planning and Policy (3 hours)

This course examines the principles of security planning and policy. It focuses on a variety of security guidelines, policies and plans (security requirements, internal users, external users, operational costs, geography, capacity plan, growth plan, business organization, business scenarios, business factors, business processes, business functions, business products, product life cycle, technical factors, roles and responsibilities, and organizational authority). This course addresses physical security, authentication, network security, encryption, software development, email, Internet, acceptable use, acceptable speech, and viruses/worms. It also covers the need for actionable and maintainable policies and the need for periodic audits of policies and configurations. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC490 IT Security: Business Continuity (3 hours)

This course discusses both business continuity and disaster recovery planning. Business continuity investigates Risk Assessment &

Management, Business Impact Analysis, and Continuity Strategy Development. The strategy component focuses on incorporating preventive measures, sustaining critical functions, planning for emergency response operations, and implementing recovery plans. This course analyzes employee training & development, chain-of-command, communications, policies & procedures, and fire-drills. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC498 IT Security: Implementation Plan: Capstone (3 hours)

This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Systems Security. Students will complete various security related plans and policies that demonstrate mastery of their program of study and results in a meaningful culmination of their learning; these plans and policies will be used to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Systems Security courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite: Senior Standing and ENGL101)

ISSC499 Senior Seminar in Cybersecurity (3 hours)

This Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward the Bachelors of Science in Cybersecurity degree. Students will examine a number of real-world scenario cases related to various aspects of Cybersecurity to complete various cybersecurity related plans and policies that demonstrate mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students should satisfactorily complete ALL core and major courses prior to this course. Student must have SENIOR standing to register. (Prerequisite: Senior Standing and ENGL101)

ITCC111 Basic Productivity Applications (3 hours)

This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the word processing application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Word to create and format documents; and use lists, themes, mail merge, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies. Students will also be introduced to the features and capabilities of PowerPoint, the presentation application in the Microsoft Office Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam--Using Microsoft Office Word 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office Word 2010 Certification; and contains a six month trial of Microsoft Office.

ITCC112 Advanced Productivity Applications (3 hours)

This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the electronic spreadsheet application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Excel to create and format spreadsheets; they will also manipulate data and use formulas, charts, workbooks, styles, hyperlinks, themes, functions, conditional logic, graphics, comments, and security features. Students will also be introduced to Outlook, the electronic mail application in the Microsoft Office 2010 Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam—Using Microsoft Office Excel 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office Excel Certification; and contains a six month trial of Microsoft Office.

ITCC113 Office Presentation Applications (3 hours)

This course is a study of the concepts and technology trends essential to office presentation, communication and productivity applications. Students will explore the principles, practices, features, and functions of PowerPoint, the presentation application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft PowerPoint to build and format presentations; and to use styles, templates, lists, tables, charts, hyperlinks, transitions, animations, graphics, multimedia, and digital signatures. They will also rehearse the timing of the presentation and prepare presentations for the Web. Students will also be introduced to the Microsoft Word, the word processing application in the Microsoft Office 2010 Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam—Using Microsoft Office PowerPoint 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office PowerPoint Certification; and contains a six month trial of Microsoft Office.

ITCC114 Office Communications Applications (3 hours)

This course is a study of the concepts and technology trends essential to office communication. Students will explore the principles, practices, features, and functions of Outlook, the electronic mail application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will customize the Outlook program; and use messages, signatures, advanced email tools, digital signatures, delivery options, voting capabilities, mail management, rules, contacts, calendar functions, meetings, and tasks. Students will also be introduced to the Microsoft Word, the word processing application in the Microsoft Office 2010 Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam: Using Microsoft Office Outlook 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office Outlook Certification; and contains a six month trial of Microsoft Office.

ITCC121 Introduction to Computer Science (3 hours)

This course is an overview of computer information systems in which hardware, software, procedures, systems, and databases are explored in relation to their integration and application in business and other segments of society. Telecommunications and network concepts are introduced as a basis for understanding of the Internet and e-commerce capabilities.

ITCC200 Application Software Integration (3 hours)

This course is a study of the applicable skills and technology essential to application software integration. Students will explore the principles, practices, features, and functions of application software processing in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Word, Excel, PowerPoint, Outlook, and Access to create and format documents; build databases and spreadsheets; and design and publish advertising and marketing documents on customized Websites through the use of hypothetical and real-world scenarios and problems. The course will allow students to experience a more comprehensive understanding of commonly used applications software and how they integrate to provide solutions.

ITCC231 Introduction to Information Technology Writing (3 hours)

This course provides a writing foundation necessary for an IT professional to identify and respond to communication needs within the IT environment, so that the professional can produce clear, concise, and appropriate IT documentation for peers and supervisors, with the ultimate goal of increasing organizational standardization and efficiency.

ITMG321 Information Technology Project Management (3 hours)

This course is a study of the planning and processes involved in an information system project. Its topics include planning, scheduling, and controlling aspects of a project during its life cycle. The use of project management techniques such as PERT (Project Evaluation and Review Technique) and Gantt charts will be examined in depth as will be other techniques of planning, scheduling and controlling projects. This course meets the topical requirements for the CompTIA Project+ Certification.

ITMG322 Project Management Using MS Project (3 hours)

This course is a study of the concepts and technology trends of Project Management. Students will explore the principles, practices, features, and functions of the Microsoft Project application. The course will be taught with a mixture of analytical methods and practical exercises. Students will create project plans, organize (estimate, budget, and schedule) tasks, perform and manage resource allocation, identify project constraints, determine a project's critical path, create Gantt Charts and establish a project baseline using Microsoft Project. Students must have access to Microsoft Office Project Standard. Course software requirements with the appropriate versions are listed under the course materials site

ITMG371 Contemporary Internet Topics (3 hours)

This course explores the Internet's impact on business and personal dynamics, from a managerial perspective. A review of current literature will examine such issues as: changes in workplace productivity, legal issues arising from company Internet use policies, staff morale in the face of nearly ubiquitous Internet access, institutional liability for employee conduct while on the Internet, telecommuting, and the impact of conducting personal business during work time. Non-workplace issues such as the impact of the Internet on family life, politics and the economy will also be explored.

ITMG381 Cyberlaw and Privacy in a Digital Age (3 hours)

This course examines how laws have had to change to account for the expanded realm of crimes in the digital age. Despite legislation intended to combat the problem of identity theft, it continues to be one of the most common crimes associated with the Internet. Sexual harassment complaints can now be triggered simply by an employee forwarding questionable email to fellow employees. Some regard intellectual property rights violations to be innocent flattery, while others consider them to be violations that must be stamped out by force of law. Plagiarism by students who pull content from the Internet is a growing problem. Stalkers can log into their victims lives and gain access to highly confidential medical and financial information, and even sabotage their victim's reputations. This course examines current literature on such topics.

ITMG421 Virtual Management (3 hours)

This course is designed to provide an overview of key individual, group, and organizational issues involved in Virtual Management (technology-assisted employee management). Topics include gauging employer and employee readiness for technology-enabled communication and telecommuting; identifying appropriate job types and flexibility options; applying effective communication strategies and methods when utilizing computers and telecommunication technologies; and implementing and evaluating management procedures and policies in flexible organizations.

ITMG471 Information Systems: Policy and Planning (3 hours)

The course focuses on the use of information technology in the design and management of modern organizations including governments and not-for-profits. Information is now recognized as an essential resource in its own right. Technical, organizational, and social aspects of the management of this resource will be covered.

ITMG481 Ethics in Information Technology (3 hours)

This course introduces students to issues and controversies that comprise the new field of Cyberethics. The course examines a wide range of ethical issues of moral responsibility towards social and ethical concerns which affect us in our daily lives. Other topics include machine ethics, conceptions of autonomy and trust, responsible innovation, ethical controversies related to ethical computing.

ITMG498 IT Management: Senior Seminar (3 hours)

This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other IT Management courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite: Senior Standing and ENGL101)

WEBD121 Web Development Fundamentals (3 hours)

This course introduces students to Web site development through a combination of readings and hands-on development exercises. This course covers the Site Development Associate curriculum of the CIW Web Foundations Associate certification. It also covers the Web Design curriculum of the CIW Web Design Specialist certification. It emphasizes Markup Language and Site Development Essentials, HTML5 Coding, Cascading Style Sheets (CSS) and Graphical Elements, Hyperlinks, HTML Tables, Web Forms, Video, Audio and Image Techniques, Extending HTML, GUI HTML Editors and Mobile Web Sites, Web Site Development for Business, JavaScript and DHTML Fundamentals, Plug-Ins and Java Applets, HTTP Servers and Web Applications, Databases, and Web Site Publishing and Maintenance. Fundamentals of JavaScript programming are also introduced in this course. Students will need access to Microsoft Internet Explorer and Firefox. This software is not provided by the course material grant and must be purchased/provided by the student. To succeed in this course, students will also need basic computer knowledge such as creating files and folders, downloading and uploading files, creating zipped files, and working with text editor such as Notepad++.

WEBD122 Introduction to Web Analytics (3 hours)

This course is an introductory study of Web analytics technology and how businesses and organizations may use the technology to measure website traffic, enhance business presence, and conduct market research. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and

retention of material covered in the course.

WEBD220 Web 2.0 Fundamentals (3 hours)

This course provides an introduction to Web 2.0 trends and technologies. Students will profile the various features, tools, communities, and practices available in Web 2.0. Also included is a survey of the concepts, tools, and practices used to build blogs and wikis. The course also reviews the various methods of posting information from the blog into web pages using RSS & Atom techniques. Students will also appraise other Web 2.0 technologies, such as forums, collaborative web sites, discussion boards, and wikis. Students will apply the knowledge gained in this course to design and create blogs and forums. Students must have access to a microphone.

WEBD222 Advanced Web Analytics (3 hours)

This course is an advanced study of Web analytics technology and how businesses and organizations may use the technology to measure website traffic, enhance business presence, and conduct market research. The course expands on concepts introduced from the Introduction to Web analytics course and expands into more advanced topics regarding the subject. The course will cover scenario based exercises and requires students to use free Web analytic tools to experience the maximum amount of application and retention of material covered in the course. (Prerequisite: WEBD122)

WEBD241 Web Development Using JavaScript (3 hours)

This course expands on the topics that were introduced in Web Development Fundamentals (WEBD121). This course introduces the student to fundamental JavaScript programming concepts such as variables and data, functions, controlling program flow (branching and iterating), the JavaScript object model (window, document, image, history, location, and navigator objects), and JavaScript language objects (String, Array, Date, and Math objects). This course also addresses the development of interactive forms with JavaScript, cookies and JavaScript security, controlling frames with JavaScript, and custom JavaScript objects. Students must have access to Internet Explorer 7 (or higher) or Netscape 4.0 (or higher) software. This course covers the CIW JavaScript Specialist curriculum of the CIW JavaScript Specialist certification. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: WEBD121)

WEBD242 Web Development Using XHTML (3 hours)

This course focuses on the theory and principles of various programming languages that are used on the web, with particular focus on HTML, XHTML, and DHTML. Students will explore the principles of Object Oriented Programming (OOP) and examine inheritance, encapsulation, and polymorphism. They will also examine the components of OOP languages; the scope, protocols and parameters for various methods, such as: dynamic text ranges (move, moveStart, moveEnd, moveToPoint, moveToElement, getElementById, getBookmark, compareEndPoints, setEndPoints, Expand, Collapse, FindText), transition ranges (blendTrans, revealTrans), event propagation (stopPropogation, addEventListener, removeEventListener), dynamic content (createAttribute, createElement, createTextNode, cloneNode), and dynamic styles (CSS) and dynamic positioning (CSS-P) (coordinate systems, absolute positioning, relative positioning, and dynamic data binding). Students will explore the principles governing the animation of text (pulsating text, expanding text, flying text, drag and drop). This course focuses on improving the user-application interactivity via dynamic content, animation, media (audio and video), forms, web-safe colors, styles, and Cascading Style Sheet (CSS).

WEBD262 Web Site Development Using DreamWeaver (3 hours)

This course is a study of the design and development of web sites using Dreamweaver. Students will use professionally designed templates to develop coordinated and sophisticated layouts for a multi-page website. They will work with Cascading Style Sheets (CSS), graphics (enhance, optimize, embed, and edit image properties), tables, templates, frames, forms, and snippets. They will also perform site management and use the extensibility feature of Dreamweaver. Microsoft Expression Web will also be introduced. Students must have access to Microsoft Internet Explorer 7.0 (or higher), Firefox 2.0 (or higher), Microsoft Expression Web 3, Adobe and Dreamweaver CS5 (or higher), and Opensource software tools. This course covers lessons 17-23 of the Web Design curriculum of the CIW Web Design Specialist certification. Students must obtain their own software for the course.

WEBD280 Web 2.0 Management Issues (3 hours)

This course covers the management aspects of Web 2.0. Web 2.0 is a growing trend by businesses to utilize the Internet for a new generation of business applications and personal knowledge management. This course focuses on the business and management aspects of Web 2.0 technology. Topics include Web 2.0 management, marketing, branding, psychological factors, sociological aspects, customer social networking, community building, relationship management, and organizational impact. Real world Web 2.0 business applications reviewed in class include: Flickr, Google, wikis, blogs, virtual reality (Second Life), and Facebook.

WEBD311 Internet Concepts (3 hours)

This course concentrates on the technical side of the Internet, examining network types, protocols, browsers, search engines, email communication and personal information management, multimedia on the Web, Internet services and tools [newsgroups, telnet, File Transfer Protocol (FTP), and instant messaging], Internet security (encryption, authentication, firewalls, malware, virus detection and prevention, spyware, updates and patches), and IT project management. This course also explores emergent Web 2.0 technologies such as social networking (MySpace), user created content (YouTube), Wikis, Virtual Worlds (Second Life), and online gaming. Students will need access to Microsoft Internet Explorer 7.0 (or higher) with Outlook Express. This software is not provided by the course material grant and must be purchased/provided by the student. This course covers the Internet Business Foundations curriculum of the CIW Foundations certification.

WEBD321 Web eCommerce Development (3 hours)

This course is a study of Web e-commerce development and how businesses and organizations may use the Web to buy and sell products and services online. The course begins with some basic introductory concepts and progresses into more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD322 Web Videography (3 hours)

This course teaches the basic principles of Web videography and how to use software such as Adobe Photoshop Elements to edit photos and videos and create movies to market product and services online. The course begins with some basic introductory concepts and progresses into more advanced implementation of Web videography for promoting e-commerce and addressing other business requirements. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD323 Search Engine Optimization (3 hours)

This course introduces concepts and strategies for successful search engine optimization (SEO). It examines different kinds of searches including image searches, local searches, and industry-specific vertical search engines. Additional topics such as link building, site structure improvements, conversation tracking, research and development keyword strategic development, and understanding barriers of search engine optimization are addressed for the purpose of increasing a website's relevance and to determine how people search for products and services.

WEBD324 Web Content Management Systems (3 hours)

This course is a study of Web content management systems and how users may manage the content of their websites anywhere by using features such as easily creating new Web pages, building in-site search engines, uploading files and images, creating photo galleries and videos, and adding, deleting and editing users with a variety of permissions. The course begins with some basic introductory concepts and progresses into more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD341 Enterprise Data Exchange Using XML (3 hours)

This course is a study of the concepts and applications of the Extensible Markup Language (XML), a general-purpose markup language that can be used to formally specify special-purpose markup languages. This course will be taught from a mixture of analytical and practical methods. Topics include: the history of XML, the XML language, Data Type Definition (DTD), XML Schema, eXtensible Style Sheet Language (XSL), and eXtensible Style Sheet Language Transformations (XSLT). The student will bind values to elements to render them distinct and different from its other instances of that attribute and explore the power of XML

as a tool for Enterprise Exchange in both the J2EE and .NET Software Development Frameworks. Knowledge of XML will enable the student to standardize and reuse reference text, paragraphs, and chapters.

WEBD361 Web Application Development Using ColdFusion (3 hours)

This course is a study of the design, development, and deployment of database-driven applications on the Internet using ColdFusion. Students will review the architecture of a ColdFusion application and understand the flow of ColdFusion applications and processing over the Internet. The student will use ColdFusion variables and functions, query relational databases, display and format data, evaluate form variables, and interact with forms. They will develop dynamic SQL, dynamic database search applications, data manipulation applications, client-side validations, and server-side validations. Students must have access to ColdFusion MX 7 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student.

Undergraduate Course Descriptions

Intelligence Studies

INTL300 Research Methods in Intelligence Studies (3 hours)

This course prepares students to employ basic research methods and writing skills to produce sound research papers and analytical products. Students will learn how to develop the elements of a research strategy, critically read and evaluate data, and communicate their findings in coherent, well-organized written work.

INTL301 U.S. Intelligence Community (3 hours)

RECOMMENDED AS SECOND PROGRAM COURSE. This course surveys the U.S. Intelligence Community, with an emphasis on its current structure. Students review the members of the community and distinguish their key roles and missions. Students also assess the impact of the post-9/11 restructuring of the intelligence community.

INTL303 Introduction to Intelligence (3 hours)

This course is an introduction to analysis and addresses the five principle categories of study in strategic intelligence: (1) The role, purpose, and history of strategic intelligence analysis; (2) the use of intelligence to carry-out foreign policy objectives; (3) The nature and evolution of congressional oversight; (4) the role of strategic intelligence collection to support strategic decision making; and (5) the role of counterintelligence at the highest levels of government.

INTL304 Intelligence Collection (3 hours)

A multidisciplinary survey of Imagery Intelligence (IMINT), Signals Intelligence (SIGINT), Human Intelligence (HUMINT), and Measurement and Signature Intelligence (MASINT) is conducted. The background, capabilities, and limitations of each intelligence collection method are covered. The course focuses on planning activities which provide an integrated approach to intelligence collection.

INTL305 Law and Ethics in Intelligence (3 hours)

This course examines the legal foundations and oversight mechanisms for the US intelligence community. It also explores the major ethical problems confronting the intelligence profession. Students will investigate the difficult legal and ethical issues in the intelligence community.

INTL401 Critical Analysis (3 hours)

This course provides an introduction to critical thinking, intelligence analysis, and the use of structured methodologies. Functions associated with the processing of information to include perception, memory, and the evaluation of information are examined. Conscious and unconscious cognitive biases along with strategies to mitigate their impact are also assessed. (Prerequisite: INTL300).

INTL402 Intelligence Analysis (3 hours)

This course builds upon the foundations of critical analysis taught in INTL 401, expanding the student's repertoire of analytical techniques. Students explore creative analysis techniques, including hypothesis generation, red-teaming, and adversarial collaboration. Students focus on intelligence as a service to decision makers, including principles of customer-focused writing and techniques for analytic problems designed to provide tactical, operational, or strategic support. (Prerequisite: INTL300).

INTL408 Counterintelligence Operations (3 hours)

This course provides students with an introduction to counterintelligence operations and techniques. Students will study passive and active counterintelligence measures, principles and processes of counterintelligence operations, its relationship to covert action, and the legal and ethical issues involved. Through a series of practical exercises, students will develop a sound knowledge of the practice of counterintelligence.

INTL409 Counterintelligence Analysis (3 hours)

This course provides students with an introduction to counterintelligence analysis of foreign intelligence entities. Students will learn and apply aspects of counterintelligence basic principles, concepts, core competencies, functions, and missions as outlined

in the US National Counterintelligence Strategy. Students will be instructed in the analytical process, denial and deception identification, analytical techniques, threat profiling procedures, and analytical tools and databases.

INTL410 Counterintelligence (3 hours)

During this course, students will develop a comprehensive knowledge of counterintelligence, and how intelligence agencies, organizations, and military units in the U.S. use both offensive and defensive counterintelligence to guard and protect U.S. national security interests from foreign intelligence entities. Students will study and analyze counterintelligence, learn and discuss multi-discipline counterintelligence support to intelligence operations, counterintelligence collection process, and analyze how cultural, social, and technological changes affect counterintelligence.

INTL411 International Criminal Organizations (3 hours)

This course differentiates historical and contemporary patterns, modus operandi, capabilities, and vulnerabilities of organized crime organizations. Course content includes a review of the contemporary literature of South American, Mexican, Asian, European, and African criminal enterprises, traditional organized crime, Outlaw motorcycle gangs and transnational criminal enterprises.

INTL412 Espionage/Counterespionage (3 hours)

This course studies the history of intelligence and espionage and reviews ancient espionage techniques, profiles famous agents throughout history, and focuses on such intelligence issues as SIGINT and HUMINT. The bulk of the course concentrates on 20th century intelligence, assessing changes in intelligence collection and priorities and analyzing how technological changes have affected intelligence collection.

INTL413 Denial and Deception (3 hours)

This course will be an overview of Denial and Deception possibilities. It will review the history, concepts, and implications of Denial and Deception on national security decision making. It will also discuss foreign and domestic case studies, tradecraft, and the different methodologies associated with this form of intelligence training.

INTL414 Intelligence and Assassination (3 hours)

INTL 414 Intelligence and Assassination is a study of both the historical and contemporary use of assassination, with emphasis on assassination or targeted killing as a means to counter terrorism. In the historical portion, the course focuses on assassination as a means for gaining and maintaining power. In the latter portion, the course focuses on assassination as a means of overthrowing governments and to counter terrorism. In this latter portion the course evaluates the use of intelligence and special operations forces and the role they play in the state's practice of assassination.

INTL415 Covert Action (3 hours)

This course provides a historical account of the use of covert action in both peace and war. Covert actions are those in which an operation may become known to the enemy or the world, but the responsible parties cannot be traced or proven. Current U.S. intelligence community and Special Forces capabilities and limitations for covert action are also covered.

INTL419 Applied Geospatial Intelligence (3 hours)

This course is an exploration of the historical development, capabilities and the constellation of remote sensing and other intelligence collection platforms available for use by decision makers in intelligence driven policies, homeland defense, and law enforcement. The focus will be on how geospatial products are applied to produce analyses of terrain, climate, natural resources, boundaries, various infrastructures, demographics, and intent and capabilities of various nations and groups in the context of the geospatial environment.

INTL421 Signals Intelligence and Security (3 hours)

This course examines Signals Intelligence also known by the acronym SIGINT. It covers the various methods and modes of collection, analysis and use of strategic and operational level communications (COMINT) and electronics (ELINT) intelligence. The course also reviews the security means available to protect friendly communications (COMSEC) and electronic emissions countermeasures (EECM).

INTL422 Open Source Collection (3 hours)

This course provides and examination of the various unclassified materials including: news services, data bases, government documents, newspapers, journals, magazines, yearbooks and surveys, radio and TV sources, short-wave broadcasts, internet, indexes, materials from various organizations, and country studies.

INTL423 Human Intelligence (3 hours)

This course is an introduction to Human Intelligence (HUMINT). The course will define and examine HUMINT in context with the other intelligence collection disciplines. Through the use of focused discussion supported by directed readings and by applying critical thought to an incremental research project that requires a HUMINT solution, the student will understand the dynamics and functions of human source intelligence as a discipline.

INTL424 Interrogation (3 hours)

This course examines intelligence interrogation from a conceptual perspective that provides students with the tools to develop an overall understanding of interrogation and practical interrogation concepts as they can be applied to intelligence interrogation. This course addresses legal issues, verbal and non-verbal behavior, interrogator and subjects, environmental and cultural issues, coercive practices, as well as current events as they apply to the concepts of intelligence interrogation.

INTL431 Criminal Intelligence Analysis (3 hours)

The rapid increase in multinational analysis and transnational organized crime, corporate drug trafficking organizations, and the impact of crime on national and international policy has created a critical need for law enforcement intelligence experts in the relatively new field of criminal intelligence. The course provides the student with an introduction to the methods and techniques of criminal intelligence analysis and strategic organized crime. It will demonstrate how to predict trends, weaknesses, capabilities, intentions, changes, and warnings needed to dismantle criminal organizations.

INTL432 Geographic Information Systems I (3 hours)

Geographic Information Systems (GIS) contain a powerful set of tools for data acquisition, management, query and display. This course will provide students first with a substantial foundation in the history of cartography and mapmaking. The second major emphasis of this course will merge both theoretical and historical information with hands-on practical training utilizing the basic tools provided with the GIS software. Students will become familiar with the importance of metadata, editing and updating metadata and how this is important to the success or failure of the dataset as a whole.

INTL433 Geographic Information Systems II (3 hours)

Using the ArcGIS software, students will be taught how to manipulate datasets based on complex queries in several advanced platforms within the GIS environment including geospatial analyses, creating basic models, interpolation among multiple data points, and advanced data table editing and creation. Students will learn methodologies for determining the presence or absence of patterns and identify associations among different data layers. Additionally, students will be taught to examine cases where GIS could have been used but was not, and postulate how this system could have improved analysis within each case. This course will focus on vector data analysis techniques only. (Prerequisite: IS418 Geographic Information Systems I). (Prerequisite: INTL432).

INTL434 Threat Analysis (3 hours)

With states as the level of analysis, this course examines their political, economic, and social condition which allows an understanding of threats to the state and their vulnerabilities. This course provides students with analytic procedures to assess a state's military capabilities, strengths and weaknesses of their political and economic systems, and challenges presented by their social systems.

INTL440 Cyber Warfare (3 hours)

This course provides an overview of cyber warfare and the potential impact of its use by military, terrorist, and criminal organizations. By studying the operation of computer networks, the student will gain an appreciation of how they have both benefited society and made portions of its infrastructure more vulnerable. An overview of cyber weaponry will be presented, and various offensive and defensive strategies will be examined via case studies

INTL442 Tactical Intelligence (3 hours)

This course examines the impact of terrain and weather on tactics, employment of multi-discipline intelligence collections, and principles of tactical intelligence analysis form the core of the course. Students develop an appreciation for the limits of process in applying the art of intelligence to deal with tactical problems and how tactical intelligence theory and practice are utilized in support of ground operations.

INTL443 Foreign Intelligence Organizations (3 hours)

This course introduces students to several foreign intelligence organizations that continue to play a significant role in U.S. strategic intelligence, foreign policy, and national security strategy planning. Each country's organizational structure, their collection methods, operational strengths and weaknesses will be assessed with the objective of evaluating their overall relative effectiveness.

INTL446 Intelligence and Narcotics (3 hours)

This course surveys the role of narcotics and the illicit drug trade as risks to national security, international development, and progress. The purpose is to assess both domestic and foreign intelligence gathering and analysis, with an emphasis on counter-narcotics policies and strategies. Students will be able to critically analyze, strategically assess effective intelligence collection, and evaluate the impact of current drug interdiction efforts by federal domestic and international agencies.

INTL450 Terrorism and Counterterrorism (3 hours)

This course examines terrorism as a social and political instrument from past to present. Topics include comparing insurgencies and terrorism, the paths to radicalization, the roots of extreme Islam, U.S. domestic terrorism issues, counter terrorism, national & domestic intelligence resources employed against terrorism, and a review of U.S. National Security Policy regarding terrorism.

INTL451 Terrorism and U.S. National Security (3 hours)

This course assesses the impact of terrorism on U.S. national security. With a focus on essential elements related to terrorism as well as on U.S. anti-terrorism and counter-terrorism policies and their challenges, the student will develop a comprehensive understanding of how the United States views terrorism and how its lasting threat affects national security.

INTL453 Illicit Finance (3 hours)

Modern criminal business, to include drug trafficking, trafficking in people or weapons, gold and precious gem smuggling, and even terrorism are reliant on how such activities are funded. Without some form of funding, illicit actors and illicit behaviors would have difficulty existing. This course will explore the shadowy world of illicit finance, from money laundering to Hawalas, to fraud, trade, and corruption used to fund illicit actions.

INTL454 Forecasting Terrorism (3 hours)

This course examines the theoretical underpinnings of the phenomenon of terrorism, actual and planned cases of chemical and biological weapons use, and the modern threat of improvised weapons of mass destruction. The course surveys traditional and newer methods of forecasting terrorism: intuition-based, profiling, conflict vulnerability analysis and prognosis (early warning), etc. It concludes with a brief overview of the state of the terrorist threat almost a decade after 9/11

INTL461 Iraq Country Analysis (3 hours)

Explores the development of the future Iraqi state. Students first study Iraqi history through the 2003 fall of Saddam Hussein. The role of ethnic and religious rivalries is covered in-depth. Post-2003 stability and development activities are also investigated.

INTL490 Independent Study: Intelligence (3 hours)

An opportunity for Intelligence students to pursue an independent research project or examine a specific area of Intelligence and its history under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member. Students will produce a major research paper (30+ pages). To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

INTL498 Senior Seminar in Intelligence Studies (3 hours)

The Senior Seminar in Intelligence Studies is required for all majors. This capstone experience for Intelligence Studies majors will review and integrate their academic coursework, strengthen their understanding of intelligence research methodologies, and relate their academic preparation to their post graduation goals. Students will conduct original research and present their findings to the class in written and e-portfolio formats. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

International Relations

IRLS210 International Relations I (3 hours)

An overview of the field of international and global politics. The nation state, factors of power, collective security, international trade, regional and international organization, sources of conflict and convergence are addressed.

IRLS211 International Relations II (3 hours)

This course analyzes international relations from 1945 to the present. Students will become thoroughly familiar with events and major interpretive issues. Topics include the Cold War, decolonization, the role of the United Nations and other non-governmental organizations, the development of international terrorism, the Arab-Israeli and Persian Gulf conflicts, and the Korean and Vietnam Wars. (Prerequisite: IRLS210).

IRLS213 Political Geography (3 hours)

September 11 and its aftermath, the ongoing conflicts in the Middle East and South Asia and debate over the nature and effects of globalization all highlight the importance of political geography as a means of understanding the world around us. This course examines the relationship between earth and state. World political phenomena are studied from a geographic perspective, including international boundaries, territorial seas, and landlocked states. This course emphasizes the practical application of geography to political events.

IRLS214 American Foreign Policy (3 hours)

This class examines the elements and practice of American Foreign Policy. It reviews the history of American Foreign Policy and ideology, and then examines the actors, tools and processes of US foreign policy. This class emphasizes current foreign policy issues, including policy geared toward national security.

IRLS220 African Peoples and Cultures (3 hours)

A study of the peoples and cultures of the continent, stressing sub-Saharan groups. Starting with the colonial era and earlier cultures, the major focus is on the contemporary scene, including the effects of the African diaspora.

IRLS240 European Peoples and Cultures (3 hours)

An exploration of the rich diversity of cultures and societies of Contemporary Europe. Critical reading of recent ethnography will be used to examine themes such as the formation of national identities, ethnicity and migration, rural life and traditionalism, family and kinship, popular religion, and urban development. The European Union is analyzed as a potential transformation of Europe into a new system of European government that could supersede the nation-state.

IRLS260 Middle Eastern Culture (3 hours)

This course covers geography, culture, society, economy, and religions of the major ethnic and linguistic groups in the Middle East. The course will introduce students to important events and developments, such as the changing concepts of politics in Islam; the evolving sociological bases of states and societies in the Middle East; and the early impact of Europe on the Middle East, first through trade and then through colonialism.

IRLS300 Comparative Political Systems (3 hours)

Introduces major theoretical approaches to the comparative study of politics. The student applies these approaches to government institutions, the policy-making process, political participation, economic structures and social change for both state and non-state actors.

IRLS301 International Organizations (3 hours)

Examines the role of and interrelationship of international organizations, nation-states, and non-state actors in the global system. North-South and East-West relations are discussed in terms of specific global issues: crisis management, conflict resolution, human rights, refugee problems, international finance, developmental assistance, world trade, and globalization.

IRLS302 International Development (3 hours)

A detailed study of the history, theories, and practices of global development initiatives with particular concentration in the prevailing views and practices of the 1960's-contemporary times. A look at development in light of broader political constructs that influence the development of nations.

IRLS310 Introduction to Human Security (3 hours)

This course introduces students to the international relations subfield of human security. A broad overview of the security issues affecting humans, their communities, and as a result global stability are the focus of this course.

IRLS322 African Politics (3 hours)

This class provides an introduction to contemporary African politics. Specifically the course examines the historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

IRLS331 Asian Politics (3 hours)

This course examines historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This course surveys the governments of selected countries to include China, Japan and Korea. Topics will emphasize the interaction between economic development and political changes, as well as the conflict between traditional norms and modern institutions. This course includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

IRLS332 Asian Peoples and Cultures (3 hours)

This course will provide students with an overview of Asian cultures, by focusing on political, religious, and philosophical aspects of various Asian societies. Specifically, we will analyze and discuss the historical and cultural dynamics of China, Japan, and Korea. Also considers the central influence of Confucianism and Buddhism, among other key philosophies, on East Asian cultural norms. The course identifies connections between the past and the present, with an eye on anticipating future trends.

IRLS343 Government and Security of Russia (3 hours)

Explores historic, cultural, economic, and geographic traits that characterize the Russian state and shape the domestic political processes and interstate relations. Critically compares the politics, governments and orientations of post-Soviet states and other regional powers. Surveys contemporary regional issues such as ethnic conflict, nationalism and political-economic reforms, with a particular emphasis on security concerns.

IRLS344 European Politics (3 hours)

This course focuses on comparative evaluation of Europe paying particular attention to challenges facing the continent such as migration, ethno-nationalism, and terrorism. It will also focus on opportunities for European countries to work together, including NATO, OSCE, and the EU.

IRLS355 Latin American Politics (3 hours)

This course is designed to familiarize students with the politics of contemporary Latin America. The course will cover such topics as the various types of political systems found in Latin America, the political economy of development, and the issue of regime transition.

IRLS357 Latin American Peoples and Cultures (3 hours)

Latin America is comprised of dozens of countries, and despite several common languages, each country possesses its own set of unique cultural aspects. Latin America is a complex mixture of Native American, European, North American, African and even Asian influences, spanning two continents and several thousand years of collective history. This class presents an overview of the multitude of cultures present in Latin America.

IRLS360 Global Politics of Islam (3 hours)

The purpose of this course is to provide a comprehensive survey of the politics of Islam in the global context (both within and across states). While a portion of the class will be dedicated to the Middle East, we will also focus on parts of the globe where

Muslims form a significant minority, e.g., the U.S., Western Europe, Russia, and China. This is an interdisciplinary class, meaning that we will discuss religion, history, culture, and identity in addition to politics. We will explore the implications of past and present U.S. foreign policy in the Muslim world and historical and current relations between Islam and the “West.” Additionally, we will address conflicts within Islam, transnational Islamist movements such as Hizb-ut Tahrir and Al Qaeda, and the role of pan-Arab media such as Al Jazeera. This is a reading-intensive course. Students will be expected to think critically, interpret texts, and formulate their own ideas in verbal and written form.

IRLS392 Globalization and the Market Economy (3 hours)

Based on a theoretical analysis, a detailed study is undertaken of the globalization of the market system and its impact on population growth, urbanization, political governance, and traditional values in various nation-states and regions.

IRLS400 Human Rights (3 hours)

This course provides an overview of human rights, their history, codification, and the various debates that surround human rights discourse. Additionally various human rights topics are analyzed. The course provides students with a thorough understanding of how human rights and human security are intertwined.

IRLS402 International Law and Regimes (3 hours)

This course focuses on the role that international law and international regimes play in global governance. Students will examine the international legal framework that governs state relations, including international organizations and norms, ordering principles, treaties and international regimes.

IRLS405 National and Transnational Justice (3 hours)

This course provides an overview of many transitional and transnational justice approaches. Beginning with Nuremberg through to the International Criminal Courts, students will gain a thorough understanding of the global justice endeavors and their connection to human security.

IRLS409 Environmental Security (3 hours)

This course provides an overview of environmental security by examining environmental threats such as climate change, water scarcity, consumption patterns, urbanization, resource extraction and usage, food security, and globalization. The course provides students with a thorough understanding of how environmental security and human security are intertwined.

IRLS412 Comparative Foreign Policy (3 hours)

An analysis of the foreign policy and policy-making process in various regions of the world. Specific case studies allow the student to assess national priorities and ideological commitments in the post-Cold War era.

IRLS413 International Conflict Resolution (3 hours)

This course examines the application of conflict resolution theories to interstate crises and civil wars by international organizations like the UN and NATO, states and ad hoc coalitions of states and non-government entities. The focus will be on the post-cold war conflicts.

IRLS414 Principles of Peacekeeping (3 hours)

This course is an examination of the fundamental principles behind peacekeeping, to include the political, managerial, military, and humanitarian aspects of the peacekeeping process. Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

IRLS415 Peacekeeping Logistics (3 hours)

This course explores logistics in United Nations peacekeeping operations. Students will gain an understanding of the concepts, principles, and strategies that govern logistical support for UN peace operations. Emphasis is placed on building an understanding of the role, responsibilities, and limitations facing those who manage logistics for UN peace operations. This includes challenges surrounding funding and rapid deployment, as well as the advantages and challenges associated with public/private partnerships and a multi-dimensional approach to peacekeeping logistics. This course offers a unique advantage, in that completion of this

course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate, once this course is completed.

IRLS416 The North Atlantic Treaty Organization (NATO) (3 hours)

This course will explain how an alliance of nations, formed to protect its member countries from a re-emergence of post-World War II Germany, transformed itself in order to protect Western Europe from the Warsaw Pact. It will delve into how an alliance that was purely defensive in origin evolved into an organization that conducted offensive operations in Bosnia-Herzegovina and attacked a sovereign nation in an attempt to bring peace to Kosovo. It will conclude with a study on the possible future of NATO in the changing environment of Europe and America. The scope of this course focuses on the role of the North Atlantic Treaty Organization (NATO) since its founding to the present. The course includes the formation of the Alliance, the study of the member countries military forces, the organization and purposes of the various NATO Headquarters, the role of NATO in the Cold War, and the role NATO is playing today in the stabilization of Europe.

IRLS417 International Civil Order (3 hours)

This course explores the unique role of international civilian police in peacekeeping operations. Students will gain an understanding of the principles, strategies, operational and tactical considerations that shape the way that international civilian police establish a rule of law that is effective enough to support emerging democratic societies and build sustainable peace. Emphasis is placed on the roles, responsibilities, challenges, and risks facing international civilian police, as well as their relationships with other international actors. This course offers a unique advantage, in that completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate, once this course is completed.

IRLS430 U.S. National Security and the Pacific Basin (3 hours)

Asian security is of top concern to US geostrategic thinking. East Asia, for instance, is projected to become the center of the world's economy, technological innovation, and hegemonic power. U.S. national security policy recognizes this element of the international security environment and anticipates that American involvement in Asia will likely increase over time, making alliances and relationships in this region even more important. This course will highlight the changes in these interests and the actions that these and other states in the region take to advance their interests and, therefore, influence U.S. national security strategy and policy.

IRLS460 Government & Security in the Middle East (3 hours)

Examines historic, cultural, economic, social, religious, and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. Surveys the governments of selected countries, considering factors such as legitimacy and political development. Includes a survey of contemporary issues salient in the region, including the Arab-Israeli dispute, with particular focus on regional security concerns.

IRLS463 Arab-Israeli Conflict: Contemp. Politics & Dipl. (3 hours)

This course will trace the origins, evolution and development of the Arab-Israeli conflict from the early 20th century to the present. The course follows a thematic and chronological schema, drawing on a variety of sources. Considerable focus and attention will be given to the current and ongoing conflict between Israelis and Palestinians.

IRLS464 Middle Eastern Political Economy (3 hours)

This course will provide students with an overview of the intersection of politics, policy, and economics in the context of the Middle East. Specifically, the course focuses on the basic concepts and characteristics necessary for understanding political economy and development issues in the Middle East. Students will study the historical political and economic trends, nationalism, identity, borders, inequality, poverty, corruption, growth trends, resource based issues, labor, migration, gender, education, and various social issues underpinning Middle East Political Economy.

IRLS468 Politics and Security in the Persian Gulf (3 hours)

Politics and Security in the Persian Gulf course explores political, social, economic, and cultural issues that are relevant to the contemporary Gulf politics and security. In this context, this course also examines the impact of external powers within the

region; and thus, the correlation of this impact with the rise of vulnerabilities and implications both at the regional and global levels.

IRLS490 Independent Study: International Relations (3 hours)

Individual study or research of a selected topic conducted on a tutorial basis. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.(Prerequisite: IRLS210).

IRLS491 Special Topics in International Relations (3 hours)

This course allows the students to examine an emergent issue or event in this field of study. The course will be taught in a structured seminar format. Students are required to complete a research project.

IRLS492 Senior Seminar in International Relations (3 hours)

This senior capstone course allows students majoring in International Relations to analyze specific issues at the global level that would include: armaments, disarmament and proliferation; nationalism and world order; terrorism; peacekeeping; drug wars; political development and revolutionary change in less developed countries; and the organized use of force. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other International Relations courses have been satisfactorily completed. Student must have SENIOR standing to register.

IRLS493 Capstone Middle Eastern Studies (3 hours)

This senior capstone course allows students majoring in Middle Eastern Studies to analyze specific issues at the regional level including the role of religion, culture, politics, security, economic issues. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other Middle Eastern Studies courses have been satisfactorily completed. Student must have SENIOR standing to register

Undergraduate Course Descriptions

Legal Studies

LSTD100 Introduction to Law for Paralegals (3 hours)

This is the foundation course for the program. This course requires no previous legal background and introduces the student to the paralegal profession, the legal system, legal research, writing, and analysis, and other aspects of the law and the law office. This course will provide practical problem exercises of the type faced in an office environment; help the student develop the requisite paralegal skills; and presents a variety of the ethical issues and perspectives that paralegals face today. The overall theme is to address a broad range of paralegal topics in a contemporary law office environment.

LSTD201 Litigation (3 hours)

This course gives the students a broad overview of the litigation process and the specific role of the paralegal. This course is an introduction to and the exploration of the process related to civil litigation and the procedures normally the responsibility of the paralegal in preparing materials for trial. Coverage will include information gathering, interviewing, organizing, and preparation of materials for trial. It includes general information on the litigation process and practical exercises to help the student learn to implement the role of the paralegal, such as how to conduct an initial fact finding interview. The course will give an overview of the structure of the court system.

LSTD202 Real Estate Law (3 hours)

This course is a study of real estate law, with emphasis on those portions of real estate law that are essential to the processes and functions of the real estate purchase, administration, financing, land use regulation, financial instruments, leases, and property rights. The law of real estate has traditionally consisted of laborious manual searches to ensure good title. The internet provides real estate attorneys and legal assistants with new tools and procedures for conducting real estate transactions. This course will prepare the student for these concepts and will introduce the student to the new world of the Internet as related to real estate law.

LSTD203 Criminal Law and Procedure for the Paralegal (3 hours)

This course will examine the practical aspects of criminal law and procedure as they pertain to the work of the paralegal. The course covers the nature of criminal liability, the elements of various crimes, and defenses to criminal accusations. The course will also cover criminal procedure, from search and seizure through trial and appeal. Constitutional issues relating to search and seizure, self-incrimination and other matters are explored in depth. Students learn how to prepare relevant legal documents.

LSTD204 Introduction to the Courts (3 hours)

This course is an introduction to the structure of the American court system. Topics include prosecution, right to counsel, pretrial release, grand jury process, and sentencing concepts. The course will assess the U.S Courts System and how it relates to the criminal justice system in America. Students will become familiar with the chronological events from the arrest process to sentencing and appeals. Students will be able to explain concepts of stop and frisk arrest, searches under warrant, and presentation of the case to the magistrate. Assessments of the criminal trial process and phases of pretrial and trial proceedings will be examined.

LSTD205 Legal Research and Writing (3 hours)

This course will assess the methods used to locate necessary legal materials and be able to evaluate the appropriate citations of those materials. The paralegal aspects are reviewed and distinguished from other judicial case briefings. The course will introduce legal analysis methods and the preparation of appropriate techniques for researching legal issues and cases. Critical definitions of legal terminology are analyzed and used in preparation of legal materials such as memoranda, client letters, and other relevant documents. The course presents the student with techniques for effective writing in the legal environment.

LSTD207 Civil Practice and Procedure (3 hours)

This course is an overview of civil practice and procedure and will examine the process that courts must follow when hearing cases of a civil nature. During the course of study, students will learn how a lawsuit is commenced, what kind of service of process is

required, the types of pleadings, motions, and orders allowed in civil cases, the timing and manner of depositions and discovery, the conduct of trials, the process for judgment, various available remedies, and how the courts and clerks must function. The course focuses on the legal skills involving interviewing and counseling for civil cases, the drafting of legal documents for civil cases, and legal ethics focused specifically on civil cases. Course topics include civil trial practices of pleadings, motions, discovery, pre-trial conferences, jury selection, trial protocols, and appellate strategies.

LSTD209 Sports Law, Risk, and Regulation (3 hours)

This course is a broad study and analysis of sports law and regulation. This course is rooted in the conviction that sports law is an intricate blend of contracts, regulatory schemes (including antitrust law, risk and liability concerns), and torts. Additionally, bargaining issues including unions, contract negotiation, and collective bargaining will be covered. This course will also examine risk assumption and liability as they relate to sports law. This class will also discuss relevant sports organizations (NCAA, NFL, etc.); Title X; drug testing of athletes; the role of sports agents; intellectual property issues; broadcasting law; and rules of athlete eligibility and participation. This course exposes the student to legal cases from the individual perspective of the player, coach, fan, owner, agent, and medical staff, in addition to leagues and administrative bodies, dealing with captivating subjects as varied as drug testing, gender discrimination, player violence and criminal conduct, breach of contract, player eligibility, product liability, endorsement contracts, and television broadcasting.

LSTD210 Legal Ethics (3 hours)

This undergraduate course introduces students to the ethics and professional responsibilities of the legal profession. Emphasis is given to the strict regulation of the practice of law and accompanying reasons, as well as the standard of care expected by those who work in the field. Important ethical issues, such as marketing, client relationships, fees, and communications are explored. Students will analyze the model rules and their practical applications.

LSTD299 Sophomore Seminar in Paralegal Studies (3 hours)

This course is a culminating course for the Associate of Science in Paralegal Studies degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Paralegal Studies. The student will complete an approved academic project or paper that demonstrates his or her grasp of the paralegal studies field. This is a culminating course to be taken after all other Associate of Science in Paralegal Studies courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in Paralegal Studies program.

LSTD300 Administrative Law and Policy (3 hours)

This undergraduate course is the study of the work of administrative agencies in the executive branch of the United States government with some additional material on administrative agencies in state and local governments. Administrative law and policy touches virtually every person in the United States virtually every day of the year. It is the administrative agencies that fill in the "details" of government policy. Indeed, administrative agencies are so important and so powerful that they are frequently referred to as the "fourth branch of government." This course will examine the position that agencies occupy in our constitutional system of government by carefully detailing the respective roles of the legislative, executive and judicial branches of government. The course will be mainly concerned with administrative procedure (i.e., agency rulemaking and adjudication, agency investigations, agency sanctions) but because it is almost impossible to distinguish between substance and procedure, the procedural elements of administrative law will be illustrated and discussed in the context of a specific agency action--e.g., the Environmental Protection Agency's actions on carbon emissions and global warming. The course will analyze the work of the "independent regulatory commissions" as well as those agencies that are completely under the control of the President of the United States. Both the legislative and judicial branches of our government have a large impact on administrative law, so the actions of Congress in creating and watching over the agencies and the actions of the courts in adhering to the rule of law for agency action ("judicial review of agency action") will be vital components of the course.

LSTD301 Constitutional Law (3 hours)

This course is an introduction to Constitutional Law, the Supreme Court, and other aspects of the legal system using the case analysis approach. Its concentration is on the study and analysis of United States Constitution. It emphasizes an in-depth study of the Bill of Rights, specifically those rights pertaining to Civil Liberties. Topics include: the historical events that led to the

development of the Constitution; principles governing the operation of the Constitution and the role of the U.S. Supreme Court and the Judiciary; characteristics and powers of the three branches of government; development of due process and individual protections to include right to speech, freedom of religion, right to bear arms, right to vote, and right to counsel.

LSTD302 Criminal Law (3 hours)

This course familiarizes the student with the basic law, procedures and rules that govern the criminal justice system in America. It is designed to produce students who can understand, appreciate and discuss the benefits and problems with the criminal justice system in America today. The students will become conversant with the Bill of Rights, basic criminal law terminology and procedures. The course emphasizes the principles of criminal liability and the acts, mental state, and attendant circumstances that are necessary ingredients in crimes against persons or property or in offenses involving theft, fraud, drugs, morality and decency, public peace, or public justice.

LSTD303 Family Law (3 hours)

This upper level undergraduate course introduces students to the legal and procedural requirements of family law. Students will explore various legal procedures and extrajudicial methods. Topics such as marital agreements, separation, divorce, alimony, custody, adoptions, domestic violence, cohabitation, and same-sex marriages will be covered. Emphasis is placed on linking theory to practice.

LSTD304 Military Law (3 hours)

This course is designed to provide students with a solid knowledge of US Military Law through the study of the evolutionary process, politics, and motivation that has led to the current status of US Military Law. Topics include the history of military law, US Military Law, statutory basis, legal system, and basic application. It will also include an analysis of current events as related through the press, where military law is involved.

LSTD306 International Law (3 hours)

This course introduces students to the nature, development, principles, and processes of the law that applies among nations. Students will evaluate the various implications of state sovereignty as viewed through the prism of public international law. Specific topics include the sources of international law such as custom and treaty, the role of international organizations such as the United Nations, the bases of international jurisdiction, and international norms governing recognition, nationality, the global environment, protection of human rights, and the use of force. This course introduces the student to the basic principles and practices of international law and legal regimes and examines traditional and emerging topics in the field: human rights, the Law of the Sea, the Law of Armed Conflict, War Crime Tribunals, and the International Criminal Court.

LSTD400 Criminal Legal Process (3 hours)

This is a procedural law course which includes an overview of the law of arrests, search, and seizure, the making of bail, adjudication, pre- and post-trial activities and the nature of plea bargaining. Substantial emphasis is given the constitutional protections afforded through the Bill of Rights. This course examines procedures used by American police, prosecutors, and courts to bring criminal cases to trial and explores some of the defendant's rights at trial and on appeal. The course will consider the Common Law, constitutional, and statutory bases of procedural practices in American criminal law. The student will be exposed to a comprehensive overview of the processes involved in the use of criminal evidence including rules of evidence; arrests, searches, and seizures; interrogations, confessions, and non-testimonial evidence, impeachment and cross-examination of witnesses; opinion evidence; hearsay evidence; and articles and exhibits of evidence.

LSTD401 Maritime Law (3 hours)

This course is a study of the primary international and domestic laws governing navigation, naval operations, and maritime law enforcement. Students will study various aspects of the international law of the sea, maritime jurisdiction, and other laws and treaties dealing with such topics as maritime safety and security, drug trafficking, fisheries management, marine environmental protection, and piracy.

LSTD402 Immigration Law and Policy (3 hours)

This course is an introduction to immigration law and policy. Its concentration is on the study and analysis of governing immigration laws and the application of those laws to immigration practice. Current immigration policies and procedures will also

be analyzed and discussed. Topics covered include: historical developments and sources of immigration law, federal agencies governing immigration law and practice, admission procedures to the U.S. to include immigrant and non-immigrant visas and citizenship, removal (commonly referred to as “deportation”) laws and procedures, and relief from removal to include asylum, cancellation of removal, and other forms of relief.

LSTD453 Evidence (3 hours)

This undergraduate course will focus on the basic legal rules governing kinds of information which can be developed and received at trial, and how evidence may be considered by the trier of fact. Students will study how policies favoring probative evidence must be weighed against policies protecting against hearsay, opinion, prejudice, time consumption, and other harmful matters. Proper examination and impeachment of witnesses will also be explored.

LSTD497 Senior Seminar in Legal Studies (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Legal Studies. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Literature

LITR201 World Literature through the Renaissance (3 hours)

Readings in translation from a variety of cultures and authors from the Ancient World through the European Renaissance will be the focus of this class. Representative selections will be drawn from Classical Greece and Rome, China, India, and Western Europe. Readings include the major genres of epic poetry, drama, lyric verse, and prose fiction. Major themes include the warrior ideal, the relationship between the state and the citizen, and the pleasures of private life. (Prerequisite: ENGL101)

LITR202 World Literature since the Renaissance (3 hours)

This course presents readings and film selected from a variety of cultures and authors from the 17th century through the 20th century. Representative selections will be drawn from Western Europe, Russia, India, Asia, Africa and the Americas. Major themes include the individual's struggle to adapt to a changing, increasingly globalized modern world which threatens, objectifies, and often misinterprets other cultures. Emphasis is placed on a cross-cultural and cross-temporal understanding of gender roles, family obligations, and the many relationships that shape our lives. (Prerequisite: ENGL101)

LITR204 Contemporary World Culture Through Literature (3 hours)

This course examines aspects of contemporary world culture through literature. The course will take a dual thematic approach and geographic approach to issues that are particular to third-world/ developing countries, indigenous peoples, and authors in exile. Students will explore the impact of cultural concerns for an increasingly multi-cultural world. (Prerequisite: ENGL101)

LITR210 English Literature: Beowulf to 18th Century (3 hours)

In this course, students will study selected texts in English literature from Beowulf through the 18th century, including prose, fiction and nonfiction, drama, and poetry, with a focus on the historical and cultural contexts and issues relevant to the time. (Prerequisite: ENGL101)

LITR211 English Literature: 18th Century to Present (3 hours)

In this course, students will examine selected texts in English literature from the 18th century to the present, including prose, fiction, drama, and poetry, with a focus on the historical and cultural contexts and issues relevant to the time. Core authors include: Emily Brontë, Josef Conrad, Virginia Woolf and James Joyce. (Prerequisite: ENGL101)

LITR220 American Literature before The Civil War (3 hours)

Through early American literature, we have the unique opportunity to see and experience what the United States was like before the Civil War through the eyes of those who not only lived here, but helped create it. We will explore some of the most influential social pieces ever written and discuss why these are vital to the fabric of our nation. Think of all we can learn about the United States by studying those who write about it. (Prerequisite: ENGL101)

LITR221 American Literature from The Civil War to Present (3 hours)

This course examines the rapid social and technological changes that have taken place in American culture during the mid-to-late nineteenth and twentieth centuries, and how these upheavals have been expressed in our nation's literature. (Prerequisite: ENGL101)

LITR310 British Fiction (3 hours)

In this course, students will study selected texts in British literature from the start of written literature in the Anglo-Saxon period through the present. Specifically, the course will focus on fiction within the historical and cultural contexts, and issues relevant to the time. Analysis of the changing characteristics of literary movements through the centuries will be included in general discussion. Prerequisite: COLL300

LITR313 Shakespeare (3 hours)

This course will cover the major elements of some of Shakespeare's writings, including his histories, comedies, tragedies, and sonnets. The course will focus on the plays both as literature to be read and discussed as well as theatrical scripts for realization

in a performance setting. (Prerequisite: ENGL101)

LITR316 British Poetry (3 hours)

This course offers a chronological survey of British poetry from the Anglo-Saxon era through the twentieth century. The poetry will be examined within the social and cultural contexts in which it was produced. (Prerequisite: ENGL101)

LITR320 American Fiction (3 hours)

This course provides an examination of American society and culture through literature, using fiction that covers different eras, personalities, and issues. Stress is placed on characterization and other literary techniques, as well as on the nature of American society itself and fiction's place in that society. (Prerequisite: ENGL101)

LITR322 American Poetry I (3 hours)

This course provides a survey of the major American poets, poetic style, and poetry from colonial to contemporary times, examining in the process what a poem is and how meaning is created through the use of literary devices. (Prerequisite: ENGL101)

LITR323 The Life and Art of Ernest Hemingway (3 hours)

This course examines the genius and influence of Ernest Hemingway and his works on world literature. Students will study works selected for the sort of quality and precision that would define Hemingway's art of writing and earn the respect and recognition of the Nobel Committee for his "powerful, style-making mastery of the art of modern narration."

LITR324 African-American Literature (3 hours)

This course will cover African-American literature from the earliest times to the present; development of prose and poetry, the novel; and the evolution of African-American political and social discourse through literature. (Prerequisite: ENGL101)

LITR328 The Legends of King Arthur (3 hours)

This course provides a survey of traditional and modern King Arthur legends focusing its attention on Arthur himself as well as other prolific characters. Emphasis will be placed on analysis of Arthur and his primary companions through discussion board interaction and critical response essays that culminate in an independent research project investigated by each student that will maintain the overall theme and direction of this course.

LITR330 Literary Theory (3 hours)

This course is designed to expose students to literary theory. Students will read essays that cover key components of literary analysis such as Marxism, feminist theory, structuralism, and post-modernism, among others. (Prerequisite: ENGL101)

LITR337 Women Writers (3 hours)

Women writers have influenced thinking around the world, but this was not always recognized until recently. This course is an inclusive survey of women writers from around the globe, in both the Eastern and Western tradition, in all literary genres, through specific literary contributions from historical and modern times. (Prerequisite: ENGL101)

LITR340 Modern Epic Fantasy (3 hours)

This course examines modern epic fantasy literature through the novel *Mists of Avalon* by Marion Zimmer Bradley. The *Mists of Avalon* is an epic fantasy tale of love, loyalty, betrayal, kingship, and magic. Taking a different view from the legend, it is told from the perspective of the women of Avalon. Since the Arthurian Legends were some of the earliest fantasy stories, a closer examination of the elements within these legends will give students a better, deeper understanding of what all is involved in creating the modern fantasy epic. (Prerequisite: ENGL101)

LITR341 Folklore (3 hours)

This course provides a survey of folk literature. Special emphasis is placed on identifying archetypes, themes, and motifs, which are the common threads of orally transmitted literature across place and time, which also carry over into other forms of literature and popular culture. Assigned readings represent a sampling of folklore from around the world from ancient to modern eras. Some subjects include: magic, tricksters, heroism, taboo, and shapeshifters. Students will participate in a research project throughout the course. (Prerequisite: ENGL101)

LITR355 Latin American Literature (3 hours)

This course offers a study of major Latin-American writers and literary movements from the Nineteenth-Century to the present. It challenges students to think critically about issues of race, class, gender, culture and identity in order to understand the evolving character of Latin America through representative literary texts.

LITR360 Russian Literature (3 hours)

Building on an introduction to early Russian literature, students will be able to interpret and analyze literature from the greatest Russian writers of the 19th century: Puushkin, Gogol, Dostoevsky, Chekhov, Bunin, Tolstoy and Karamzin. An emphasis is placed on the social, political, and economic forces of the times as they influenced the works of these writers. Students will trace the development of those forces to conditions in present day Russia. (Prerequisite: ENGL101)

LITR365 Middle Eastern Literature (3 hours)

This course will focus on Middle Eastern culture through an analysis of major Middle Eastern literary works including literature from ancient through modern times. The works studied represent a broad survey of the literature available from the Middle East, including works from ancient Mesopotamia, works available from classical Arabic, and works that span the ages passed down by oral tradition and only recently recorded. The novel as interpreted by eastern rather than western sensibilities is also examined. (Prerequisite: ENGL101)

LITR370 African Literature (3 hours)

This course presents African literature from various countries across the continent with a close examination of the ways in which prose, poetry, and drama reveal the depths and beauty of the African culture and its people. (Prerequisite: ENGL101)

LITR385 Asian - American Literature (3 hours)

This course is an introduction to Contemporary Asian-American Literature and will present the major themes and issues in a new and growing interdisciplinary field of scholarly research and literary texts. The primary objective of the course is to engage and introduce students to selected texts from the growing canon of works in Asian American Studies and Literature. (Prerequisite: ENGL101)

LITR401 Literature of American Cultural Diversity (3 hours)

This course focuses on the dynamic cultural diversity of 20th and 21st century American Literature. The course readings will include poetry, short stories, and novels from a wide range of authors from different sociological, ethnological, or regional backgrounds and will concentrate on how these pieces help to create the current American literary identity. (Prerequisite: ENGL101)

LITR402 Shakespeare: An Author for the Ages (3 hours)

This course will cover the major elements of Shakespeare's writings, including his histories, comedies, tragedies, and sonnets. The course will focus on the plays both as literature to be read and discussed as well as theatrical scripts for realization in a performance setting. Additional readings of recent criticism will be assigned to help students develop their analysis and understanding of the texts read. Prerequisite: COLL300

LITR403 The Work and Life of Ernest Hemingway (3 hours)

This course examines the genius and influence of Ernest Hemingway and his works on world literature. Students will study works selected for the sort of quality and precision that would define Hemingway's art of writing and earn the respect and recognition of the Nobel Committee for his "powerful, style-making mastery of the art of modern narration." Prerequisite: COLL300

LITR404 Mark Twain (3 hours)

Mark Twain's life and literature marks an important milestone in American history. Author, traveler, and riverboat pilot, Mark Twain is most commonly known as a humorist, but modern scholars interpret his life as tragic. This course explores historic and modern criticism of Twain's career and literature. Prerequisite: COLL300

LITR405 Medieval European Literature (3 hours)

This course will explore the vibrant literary traditions in the European Middle Ages, focusing primarily on the epic and the

romance. These two genres were among the most popular during this period and the study of them will allow students to better understand the cultural imaginations alive during this time period. Particular attention will be paid to the construction of the epic and romance hero or heroine, the nature of identity, the constructions of gender and race, as well as the influence of the chivalric ethos and the concept of courtly love on medieval literature. The course will focus on Medieval England, France, and Italy; because the literatures from these three regions are decidedly broad, such a study will allow students to gauge the transmission of cultural ideas and literary traditions during the Middle Ages. Texts included in the course are Beowulf, The Song of Roland, prose writing of Heloise and Peter Abelard, Yvain, Le Morte D'Arthur, Dante's Inferno, and Selections from Chaucer and Boccaccio. (Prerequisite: ENGL101, ENGL401 Recommended)

LITR406 The Literary Works of Geoffrey Chaucer (3 hours)

This course will cover a broad selection of Chaucer's works, including The Canterbury Tales, Troilus and Criseyde, and various Dream Visions and other shorter poems. The focus will be on both the works themselves, and the historical and literary contexts in which Chaucer was working in latter 14th-century England. (Prerequisite: ENGL101)

Undergraduate Course Descriptions

Management

HRMT101 Human Relations Communication (3 hours)

This course is designed to provide basic communication principles from the behavioral sciences that apply to establishing positive relationships among individuals in the work setting. Through readings, critical thinking, problem solving, writing, role-playing, and case studies, students will develop basic human relations communication skills essential to effectively functioning in the modern workplace. These communication skills are applicable to relations with co-workers, supervisors, subordinate workers and customers. Basic communication concepts for interpersonal relations, including individual differences, group/team activities, cultural relations, leadership, mentoring, and customer satisfaction will be presented in order to assist students in developing effective communications in the workplace and to assist them in identifying communication issues and problems and providing a framework to resolve these dilemmas.

HRMT200 Human Resource Fundamentals (3 hours)

This is an introductory course that focuses on the concepts and methods of managing human capital in an organization. The purpose of this course is to discuss practices in the selection, training, job analysis, evaluation, wage setting, incentive principles, merit rating, job efficiency, and labor/employee relations of human resources as applied to both private- and public-sector organizations. This course is designed to provide students with a foundation to explore human resource fundamentals effectively across a number of disciplines.

HRMT201 Employee Training and Development (3 hours)

In the emerging global economy, only those organizations dedicated to continuous learning are expected to grow and thrive. This course is an examination of individual and organizational strategies designed to stimulate creative approaches to learning in organizations, and will facilitate an understanding of individual development from both an organizational and personal perspective. Theoretical foundations and practical issues involved in employee training and development in business organizations are explored.

HRMT202 Interviewing Fundamentals (3 hours)

A comprehensive study of the basic communication skills necessary for business and industry, including techniques in reading, writing, listening and speaking. Emphasis will be placed on clear concise written and spoken communication in terms of business correspondence and oral presentations. Topics include communication skills such as listening, writing, verbal and non-verbal communication, conflict resolution and interviewing skills with emphasis on the importance of effective oral communications.

HRMT310 Career Counseling (3 hours)

This course will provide an overview of the major approaches to conceptualizing career development techniques. Students will have the opportunity to explore career counseling topics such as diverse populations, traditional and non-traditional career assessments techniques, the overlap between personal and career counseling, and development of career counseling groups and workshops.

HRMT407 Human Resource Management (3 hours)

This course provides an overview of concepts, skills, theories and techniques involving human resource management and a review of examples involving innovative HR practices in the workplace. There will be an examination of human resource planning, development, and utilization in modern organizations. The establishment and operation of a total human resource program is explored. Topics include recruitment, selection, training and development, performance appraisal, reward systems, benefit programs and role of the human resource department.

HRMT411 Dispute Resolution (3 hours)

This course focuses on the principles, practices, and processes of dispute and conflict resolution. The course draws on interdisciplinary material from social science, decision theory, management/labor relations, and others.

HRMT412 Compensation and Benefits (3 hours)

This course establishes a foundation for the art of compensation and benefit practices. Students will examine the context of compensation and benefit practices, the criteria used to compensate employees, compensation system design issues, employee benefits, and contemporary challenges that compensation and benefits professionals will face given the current economic times.

HRMT413 Employment and Labor Relations (3 hours)

This course will explore the historical evolution and current state of employment relations theory. Workplace democracy, the source of workplace conflict, alienation, the evolution of class, collective bargaining, and other issues are discussed from a variety of perspectives. Students will become familiar with terminology and practices such as employee-employer relationships in non-unionized and unionized settings; problems and theories of union organizing, collective bargaining, and contract administration

HRMT415 Human Resource Management Information Systems (3 hours)

This course provides a basic overview of various automated information systems that are available to support today's Human Resource Professional. Students will have the opportunity to utilize systems such as RESUMIX, Peoplesoft, Modern Systems as well as other automated processes. Additional topics include systems security, individual privacy, legal implications and simplifying the interview process.

HRMT416 Human Resource Development (3 hours)

Training and development is no longer an option for organizations – continuous learning has become an essential requirement for those companies that wish to sustain market share and compete successfully in the marketplace. This course provides a comprehensive overview of the training and development function and is applicable to all organizations and jobs. Training methods, theories, research findings, and issues regarding training, employee development, and the career management function in organizations will be explored.

HRMT417 Health, Safety and Security in the Work Place (3 hours)

This course provides an overview of the roles and responsibilities of a Human Resource professional tasked to oversee safety, occupational health and security in the workplace. Students will research and discuss how one can ensure a safe environment in the workplace. Topics discussed include organization and evaluation of safety training and policies, occupational health education as well as compliance with the Occupational Health and Safety Administration (OSHA) rules and regulations. The course will also address network security and industrial espionage as it relates to the role of the Human Resource Manager.

HRMT419 Recruitment and Staffing (3 hours)

This course will focus on the recruitment and selection of employees to meet an organization's objectives. The course will examine staffing from both external and internal sources. Topics include economic and legal environment; links between organizational strategies and staffing plans; recruitment and selection of new employees; and evaluation and selection of current employees for transfer/promotion. Students will explore the various techniques/methods for determining whether individuals possess the knowledge, skills and abilities needed by the organization.

HRMT422 Bargaining and Negotiation (3 hours)

This course is designed to familiarize the student with the basic structures, strategies, tactics and techniques involved in collective bargaining and negotiations. It examines both interest based negotiations and the more traditional position based negotiations. Focus is on collective bargaining and labor negotiations, however, the approaches and strategies are useful in a wide variety of negotiation contexts.

HRMT427 International Human Resource Management (3 hours)

This course explores the importance of international business management in the context of international human resource management, including topics on culture, compensation and benefits, international organizations and their structures, international assignment management and the legal and regulatory considerations that global organizations face. This course will help students identify differences in operating a domestic versus and international business and how business practices will need to be adapted to operate successfully in foreign markets.

HRMT430 Performance Management (3 hours)

This course examines how to measure and develop individual and group performance. Students will have the opportunity to

design performance management systems in an effort to align employee performance with an organization's strategic objectives. There will be an exploration of methods, theories and issues regarding workforce expectations and performance.

MGMT100 Human Relations (3 hours)

This course is designed to provide basic principles from the behavioral sciences that apply to establishing positive relationships among individuals in the work setting. Through readings, critical thinking, problem solving, writing, role-playing, and case studies, students will develop basic human relations skills essential to effectively functioning in the modern workplace. These skills are applicable to relations with co-workers, supervisors, subordinate workers and customers. The student will be presented with basic concepts for interpersonal relations, including individual differences, communications, group/team activities, cultural relations, leadership, mentoring, customer satisfaction and ethics. This knowledge will then be applied in their analysis of case studies, scenarios, and problem solving exercises in order to develop interpersonal skills that can be used in actual work situations. (Prerequisite: ENGL101)

MGMT101 Principles of Supervision (3 hours)

This course provides a basic overview of supervision in the workplace including the supervisor's role in management. The course explores goal setting, problem solving, staffing and the training and development of employees. Other topics covered include the Human Resource Professional's role in leading the workforce, effective communications and stimulating improved quality management within the organization. The course is designed as a practical guide for the supervisor or manager and provides key leadership concepts and skills to improve quality standards and achieve established goals within the organization, ultimately improving working relationships, and spurring the organization on to greater productivity and success. (Prerequisite: ENGL101)

MGMT102 Retail Ethics (3 hours)

This course is a study of the moral and ethical responsibilities of retail managers in the conduct of daily activity to include ethical challenges, regulations and behaviors while demonstrating how unethical situations can create legal risks and damage to businesses, employees and the consumer. The morality of profit-making, fair and equal treatment of employees, and the responsibility of the business firm to the society in which it exists are reviewed and discussed. Equally stressed will be the idea of the individual's responsibility within the organization. Students will receive an introduction to ethics principles in a Retail environment including the latest concepts and practices. Students will discuss issues of small and large companies, e-business, and other important issues to managers in the 21st century. Students will understanding key organizational ethical issues, maintain a functional focus and review current practices in the private, public, and military sectors.

MGMT200 Ethics Fundamentals (3 hours)

Recent scandals have shown us that in business, there's a lot more at stake than the bottom line. Ethical behavior in organizations is a topic that warrants exploration. The purpose of this course is to investigate some of the ethical issues facing businesses including acceptable risk, intellectual property, workers' rights, whistle-blowing, ethical leadership, outsourcing, and ethical issues in marketing. Students will be asked to reflect and examine how one comes to terms with being a good citizen and business person that attempts to prevent the dark side of business ethics.

MGMT201 Organizational Fundamentals (3 hours)

Students taking this course should not take RTMG150. This is an introductory course that focuses on the concepts and methods of managing an organization. The purpose of this course is to discuss how people and organizations function based on the latest research on work, workers, managers, and organizations. Successful management requires knowledge of the behavior of people in organizational settings and of the processes that occur in those settings. This course is designed provide students with an overview of the challenges that arise for managers in organizational settings and to provide an introduction to the concepts and theories that can be useful in facilitating effectiveness.

MGMT295 Management Seminar (3 hours)

This course is a culminating course for the Associate of Arts in Management degrees. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Management. The student will complete an approved academic project or paper that demonstrates your grasp of management study. This is a culminating course to be taken after all other Associate of Arts in Management courses have been satisfactorily completed. Student must have

SOPHOMORE standing to register. This course is to be taken as the LAST course in the AA in Management program

MGMT310 Principles and Theory of Management (3 hours)

This course is a study of the management process including planning, organizing, staffing, directing, and controlling. Topics include the classical and contemporary management theories that provide a foundation for the manager in today's business environment. (Note to Students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course.

MGMT311 Organizational Behavior (3 hours)

This course examines human characteristics and their bearing on the management and resultant performance of organizations. It includes a review of theory and research on personality, motivation, values, stress, leadership skills, power bases, and communication. It is designed to provide an understanding of the attitudes and behavior of subordinates and superiors, as well as important insights regarding one's own responses to the organization.

MGMT312 Leadership & Motivation (3 hours)

This course is designed to provide students with a solid foundation about leaders, the leadership process and motivation. Topics include the theories of leadership and motivation, leadership power, leader behavior, leadership characteristics, the role of gender, substitutes for leadership, and dysfunctional leadership. MGMT312 serves as a self-assessment of the student's own leadership and motivation skills, knowledge, and attitudes and addresses the questions: Who am I as a leader? What are my most distinguishing leadership traits? What leadership style am I most comfortable being around? How do I influence others? and How do I motivate others?

MGMT313 Organizational Change (3 hours)

This course will examine management techniques utilized when an organization decides it's time for a paradigm shift. Students will have the opportunity to explore principles and philosophies, which are a part of ushering in organizational change and transformation. Topics include downsizing, re-engineering, outsourcing and open book management.

MGMT314 Management Ethics (3 hours)

This course is a study of the moral and ethical responsibilities of managers in the conduct of daily activity inside and outside of the business enterprise. The morality of profit-making, fair and equal treatment of employees, and the responsibility of the business firm to the society in which it exists are analyzed and discussed. Equally stressed will be the idea of the individual's responsibility within the organization.

MGMT315 Management Communications (3 hours)

This course is a study in the theory and techniques of communication within and between organizations. It takes an analytical approach to the development of content and presentation in management communications with an emphasis on the relationship of creative and logical thinking to the solution of management problems through written communications.

MGMT331 Leading Yourself Foundations (3 hours)

This course provides the critical element of analytical and intellectual examination and reflection of certain core issues in the practice of leadership. The purpose of the course is to gain a better understanding of leadership from multiple angles and perspectives. Students will explore the different ways leadership has been defined and studied; similarities and contradictions among the common leadership theories, and the way leadership has been exercised in business, military, and political contexts.

MGMT332 Leading Others Leadership Counseling (3 hours)

All great leaders are able to connect with their followers. This relationship begins with the ability to meet subordinates where they are at and take them to new levels. Before a leader can instill a vision or deliver a pep talk, a leader needs to be able to listen. Active listening is not an optional component of leadership; it is not a nicety to be used to make others feel good. It is, in fact, a critical component of the tasks facing today's leaders. LD310 will discuss the basics of counseling and connecting with others

through basic attending skills and some conflict management. This course will not make a counselor but it will make a better leader. This course is the second pillar to the leadership concentration.

MGMT338 Talent Management, Succession Planning and Generation Perspectives (3 hours)

Everyone is writing about the impending Baby Boom retirement and the issues associated with the lack of talent in the workforce. Through the study of talent identification, development and retention this course will begin to embrace a human capital strategy for the 21st century through lens of leadership development and succession planning. (Prerequisites: MGMT331 or MGMT332)

MGMT410 Strategic Management (3 hours)

This course will focus on the processes that shape corporate strategic decisions. Students will study the basic tools used by corporate leaders to maximize the value of the company and gain an appreciation of the issues and situations frequently confronting today's executive. In addition, the students will evaluate the different characteristics of an organization's environment and identify the threats, opportunities, strengths, and weaknesses relative to its environment.

MGMT414 Strategic Planning (3 hours)

This course focuses on the study of principles to be used in formulating and executing the strategic plan of businesses. This course focuses on the formulation and development of organizational strategy in particular for Public and Non-Profit Organizations. The integration of an organization's mission, stakeholder objectives, and strategy is emphasized. Particular attention is given to the development and implementation of strategy, evaluation of strategic alternatives and the relation of strategy to maintaining competitive advantage.

MGMT490 Independent Study: Management (3 hours)

This course is an opportunity for General Management students to pursue an independent research project or examine a specific area of Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper. There will be no examination. Students will submit a proposal prior to the start of the project. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

MGMT495 Senior Seminar in Management (3 hours)

This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Management. The student will complete an approved academic project or paper that demonstrates mastery of management study. This is a capstone course to be taken after all other Management courses have been satisfactorily completed. Student must have SENIOR standing to register.

TLMT200 Retail Shipping and Receiving (3 hours)

This course introduces the student to retail Supply Chain and Logistics Management with a focus on the shipping and receiving functions to include its nature, scope, and processes. An examination of shipping and receiving functions and the interrelationships among these components of an operational supply chain and related logistics of large retail businesses is provided. Students receive an overview of the role and importance of shipping and receiving within the retail industry with an emphasis on effective management. The contemporary environment of retail shipping and receiving functions are addressed as well as management perspectives, inventory management, and the impacts of technology on providers and users, both domestically and globally. Ultimately, this course is for those seeking retail opportunities in management, supervisory, and/or entry level positions as well as those transitioning into the retail industry.

TLMT201 Retail Transportation (3 hours)

Students in this course are introduced to the area of transportation within the logistics field to include its nature, scope, and processes. An examination of the management functions and the interrelationships among the components of operational logistics is provided. Students receive a familiarization of transportation functions within the retail industry. The various aspects of transportation are addressed within the retail supply chain to include modes of transportation, international logistics, import/export, regulations, customer management (selection and negotiating), warehousing and inventory management, and

technology. A practitioner approach is used to explore and examine processes, strategies, best practices, issues and trends in retail transportation. This course is for those seeking retail opportunities in transportation management and supervisory opportunities.

Undergraduate Course Descriptions

Marketing

MKTG201 Fundamentals of Marketing (3 hours)

This course is a comprehensive survey of marketing activities and the function of marketing. The course will familiarize the student with the scope, terminology, and procedures of marketing. Course topics include the analysis of markets, competition, consumer behavior, and the assessment of product, price, distribution, and promotion strategies. Consumer motivation and the diffusion and adoption of new goods and services are studied. The student will complete a marketing plan of his own.

MKTG301 Principles of Sales (3 hours)

This course explores the principles of selling in various situations encountered in interpersonal interactions. Effective and ineffective sales methods for both person to person and group selling are studied in order to increase the understanding of the sales process.

MKTG303 Strategic Internet Marketing (3 hours)

This course is a study of the concepts of Internet business models and how general managers must formulate and execute successful strategies in order to gain, defend, or reinforce a competitive advantage in the face of the Internet. Students will learn about the concepts and tools needed to analyze Internet business models for both start-ups and incumbent brick-and-mortar firms. This course covers Internet properties, value configurations, culture, ethics, demographics, international marketing and emerging public policy issues to include privacy and security. Topics include web page analysis, intelligence agents and the hardware and software tools necessary for Internet commerce.

MKTG304 Public Relations (3 hours)

This course is an introduction to public relations, covering strategies and tactics used by public relations professionals. The course emphasizes theory and skills needed to perform in the professional arena, including an introduction to research-based public relations campaigns. A major focus of the course for the student is a “walk through” of a public relations campaign that uses a checklist approach.

MKTG305 Advertising (3 hours)

This course is a study and analysis of advertising's role in marketing operations. Course topics will include such areas as the integration of advertising into sales promotion, event marketing, direct response, and other varied support strategies.

MKTG307 Consumer Behavior (3 hours)

This course explores consumer behavior from determining consumer needs and wants, the process by which they are satisfied, and the environment in which the behavior occurs. The objectives of the course are to introduce the student to concepts developed in psychology, economics, and sociology and their relationship to consumer behavior, to involve the student directly in the study and analysis of consumer behavior, and to develop in students the ability to translate what can be learned into marketing action implications.

MKTG308 Social Media Marketing (3 hours)

This course presents the use of online social networking as a marketing strategy designed to increase customer loyalty and lead conversion. Through the study of social media sites, students evaluate contemporary and emerging tools in the digital marketplace.

MKTG400 Marketing Research (3 hours)

This course is a study of the conduct of marketing research to provide information to be used in the decision making process. Course topics include problem definition and solution in a marketing context, data collection methods, sampling, research design, statistical techniques in the analysis of market research information, and survey planning.

MKTG401 Marketing Strategy (3 hours)

This course presents the analytical and decision-making processes involved in formulating, implementing, and controlling a

strategic marketing program for a given product-market entry. It includes discussions of customer, competitor, and environmental analysis; market segmentation and targeting; competitive positioning; implementation; and control. Because the course assumes that the student is already familiar with many of the concepts and analytical tools relevant to these topics, it goes beyond a simple review of definitions and procedures to examine strategic implications. The course also explores how marketing interacts with other levels of strategy and with other functional departments within an organization.

MKTG403 Marketing Management (3 hours)

This course is a study of the marketing process from a macro and management viewpoint. Topics may include the role of marketing in a society, management of a marketing staff, and the product, distribution, promotional, and pricing decisions.

MKTG407 International Marketing (3 hours)

This course is designed to develop marketing decision skills in the global context. The course focuses on international marketing theory and practice from the point of view of the marketing manager and the requirements of a business in the international marketplace. The emphasis is on the application of tools and methods of international marketing practices. This course builds on skills developed in previous course work and assignments by integrating these with the issues and concepts of international marketing. Consequently it is highly recommended that students taken MKTG300 prior to registering for this course.

MKTG410 Contracting and Negotiating (3 hours)

Students will explore the requirements for marketing to the federal government and corporate entities including an overview of proposals, performance, and bid or no bid decision making. This course describes the step-by-step process normally used in negotiating and preparing contracts, renewing contacts, and policies around breaking contract agreements. This course outlines the process and sets forth a set of flexible guidelines and methods designed to cope with the challenges of contract preparation and negotiating of contracts.

MKTG420 Branding (3 hours)

This course introduces students to understanding the need to differentiate products and services. The course explores how branding can have an impact on purchasing decisions. Students learn branding methods to transcend industries and techniques to use branding as an asset.

MKTG421 Marketing Channels (3 hours)

This course deals with the elements and management of marketing channels. This course views marketing channel as an inter-organizational system. Students explore the task of making products and services available for consumption. The main emphasis of this course is on the initial design of marketing channel systems and management of relationships between system participants.

MKTG423 Marketing Writing (3 hours)

This course provides a sound understanding of an integrated approach towards marketing communications mix. The course assesses the impact of globalization of markets on marketing communications and provides an understanding of the cultural, legal and lifestyle of various cultures. This is an advanced writing course providing practice in producing marketing content for print, broadcast, online and public relations media. Commonalities and differences among writing formats, mechanics, and approaches of each medium are addressed.

MKTG495 Senior Seminar in Marketing (3 hours)

This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Marketing. The student will complete an approved academic project or paper that demonstrates mastery of marketing principles, concepts, and study. This is a capstone course to be taken after all other Management courses have been satisfactorily completed. Student must have SENIOR standing to register.

MKTG499 Independent Study: Marketing (3 hours)

This course is an opportunity for Marketing students to pursue an independent research project or examine a specific area of Marketing under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper. There will be no examination. Students will submit a proposal prior to the start of the project.

To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Mathematics

MATH100 Pre-Algebra (3 hours)

This course introduces students to the prerequisite concepts of beginning algebra. This course covers the concepts of solving basic algebraic equations that involve integers, fractions, decimals and percents. It also introduces the concepts of polynomials and the graphing of two variable equations. Emphasis is on the fundamentals of pre-algebra mathematics to ease the transition into college level algebra courses. This course is followed by MATH101 which will cover the first level algebra concepts that incorporate the skills covered in MATH100. This course does not fulfill the math General Education Requirements, but it can be used as elective credit. Course Objectives: • Perform basic operations of integers, fractions and percents. • Solve algebraic equations involving integers, fractions, decimals and percents. • Apply basic algebraic equation solving skills to real life situations. • Solve equations using proportions, rates/ratios and unit pricing. • Formulate the perimeter, area and volume of various geometric shapes/objects. • Calculate ordered pairs from a given two variable equation to graph the line of given equation. • Identify and evaluate polynomials and perform basic operations of various monomials, binomials and polynomials.

MATH101 Introduction to College Algebra (3 hours)

This course is an introduction to college algebra and is organized into six distinct parts, beginning with a review of basic mathematics skills. It then addresses the language of algebra, the definition, uses, and methods of solving equations and inequalities, exponents and polynomials, factoring, and rational expressions. Practical applications are emphasized throughout the course. This course does not fulfill the mathematics General Education Requirements, but it can be used as elective credit.

MATH110 College Algebra (3 hours)

This course investigates the concepts of college algebra. The course covers the concepts of algebra, graphing and solution of linear and quadratic equations, inequalities and the solution of systems of linear equations. The course is organized into four distinct parts. The first part of the course covers the basic concepts involved in graphing points and linear equations. The second part of the course investigates the solution and graphing of inequalities and systems of linear equations. The third part of the course concentrates on the manipulation and use of exponential expressions and radicals. The final part of the course considers the solution of quadratic equations and their applications. Practical applications are provided throughout the course. There is careful attention to the presentation of concepts that will become important in the study of analytic geometry, trigonometry and calculus. The course assumes the student has completed MATH101 Introduction to College Algebra or an equivalent course and is completely comfortable with the language of algebra, equations and inequalities, polynomials, factoring, and rational expressions. If a lower-level math course has not been completed recently, we recommend that students take the 16-week session of MATH110. The eight-week session is recommended only for students with prior math experience and who have an adequate amount of time to pursue a highly-accelerated course of study in eight weeks.

MATH111 College Trigonometry (3 hours)

This is a course in college trigonometry. It builds on earlier college algebra courses such as MATH110, extends the students' studies to trigonometry, and introduces topics in analytical geometry. Practical applications are provided throughout the course. The course begins by reviewing methods of graphing and solving linear and quadratic functions as well as techniques for solving polynomials. It then concentrates on various trigonometric functions, identities and equations as well as the application of trigonometry to real-life situations. The final part of the course includes exponential and logarithmic functions as well as selected topics in analytic geometry including polar coordinates and the conic sections. While there are no pre-requisites for MATH111, the course assumes the student has completed MATH110 College Algebra or an equivalent college level course.

MATH125 Math for Liberal Arts Majors (3 hours)

This course examines various mathematical concepts and problem solving techniques and provides mathematical functional literacy for those majoring in non-technical subject areas such as intelligence, military history, economics, and management. Students will learn how to solve a wide variety of problems from such areas as: mathematical thinking; logic; number theory and real numbers; introduction to algebraic equations, inequalities, and problem solving; functions and graphs; geometry;

mathematical systems and matrices; sophisticated counting techniques; consumer math; and an introduction to probability and statistics. This course is principally a problem-solving course where students learn how to solve a wide variety of mathematical problems, rather than a conceptual course where problem solving is not emphasized.

MATH200 Analytic Geometry (3 hours)

This course introduces students to the concepts of analytic geometry. Some of the most important applications in physical sciences will be presented; however, emphasis is on the fundamentals of analytic geometry as a foundation for the study of calculus. Students may use this course for higher level prerequisite mathematics requirements. Topics include: plane analytic geometry; vectors in the plane; equations of lines, circles, and conic sections; transformation of coordinates; curve sketching of polynomial and rational functions; polar coordinates; parametric equations; and three dimensional vectors. (Prerequisite: MATH110 or higher)

MATH210 Discrete Mathematics (3 hours)

This course introduces students to the fundamental concepts of discrete mathematics. The course provides a foundation for the development of many computer related concepts and more advanced mathematical concepts found in electrical engineering or computer science courses. Important applications in the computer science and engineering disciplines will be presented. Topics include: fundamentals (basic tools for discrete math); logic; methods of proof; graphs and sets; functions; relations and equivalences; recursive relations; polynomial sequences; induction; combinatorics; counting; and probability. (Prerequisite: MATH110 or MATH111 or MATH225)

MATH220 Linear Algebra (3 hours)

This course presents vectors, matrices, determinants, eigenvalues and eigenvectors; and how these concepts may be used and applied. The emphasis of the course will be on understanding the concepts and methods of linear algebra, as well as solving problems and understanding how linear algebra is used in real world applications. (Prerequisite: MATH110)

MATH225 Calculus (3 hours)

This is the first course of a three part Calculus sequence to prepare students for advanced work in mathematical fields including, but not limited to the engineering, computer science and economics fields. It introduces the student to the basic concepts and techniques of differential calculus. Topics include a pre-Calculus review (functions, graphing), limits, derivatives, computations (Power rule, Product Rule, Quotient Rule and Chain Rule), special functions (trigonometric, exponential and logarithmic), implicit differentiation, applications of differentiation (approximations, optimization and related rates), and curve sketching. It is highly recommended that the student has taken MATH 200 Analytical Geometry or a similar course. (Prerequisite: MATH111)

MATH226 Calculus II (3 hours)

This is the second course of a three part Calculus sequence. It is designed to extend the concepts learned in Calculus I to the concepts and techniques of integral calculus. Topics include the basics of integration (anti-derivatives, substitution, and the Fundamental Theorem), applications of integration (motion, area), L'Hopital's Rule (indeterminate quotients, indeterminate forms), elementary function inverses (inverse functions, Calculus of inverses, trigonometry function inverses, Calculus of these inverses), techniques of integration (tables, powers of Sine and Cosine, other Trigonometric powers, by parts, trigonometric substitution, and numerical analysis), improper integrals, integral applications (average value, volumes by cross-sections, disk & washers, shells, arc lengths, and work). (Prerequisite: MATH225)

MATH227 Calculus III (3 hours)

This is the third course of a three part Calculus sequence. It is designed to extend the concepts learned in Calculus II to sequences and series (convergence tests, Taylor and MacLaurin Series, Power Series) , differential equations (separable, homogeneous, growth and decay), parametric and polar equations (including slope and area), and vector Calculus (dot product, cross product, equations of lines and planes, vector functions, derivatives, velocity and acceleration). Pre-requisite: MATH226

MATH239 Data Analysis and Presentation (3 hours)

This applied course introduces students to a variety of techniques for organizing, analyzing and presenting large data sets. Topics to be covered include descriptive statistics with graphics and sample estimation. Emphasis is placed on real-world applications such as those found in the social and physical sciences. Students will become familiar with statistical software packages.

(Prerequisite: MATH220)

MATH240 Differential Equations (3 hours)

MATH240 is introduction to differential equations. It is designed to introduce students to the basic concepts and techniques of differential equations. The course covers the standard materials addressed in the first semester of college differential equations to include: first and second order differential equations, Laplace transforms and differential equations with variable coefficients. Problems have been selected to illustrate the applications of these techniques across a wide range of areas of science, technology, and economics. It is essential for engineering, science, and economics. Increasingly, applications in business management and related fields also employ the calculus. Prerequisite: MATH226

MATH302 Statistics (3 hours)

This is an interactive course designed to help students achieve a greater understanding of the statistical methods and models available to analyze and solve the wide variety of problems encountered in business, science, medicine, education, the social sciences, and other disciplines. Successful completion of this course will provide students with a working knowledge of the principles of both descriptive and inferential statistics, probability, averages and variations, normal probability distributions, sampling distributions, confidence intervals, statistical hypothesis tests, and correlation and regression analyses. The emphasis of the course will be on the proper use of statistical techniques and their application in real life -- not on mathematical proofs. This course will use Microsoft Excel for some of the work. Students should have a basic familiarity with Excel and have access to this software application. (Prerequisite: MATH110 OR MATH111 OR MATH225)

MATH305 Real Analysis (3 hours)

This course provides a theoretical foundation for single-variable calculus concepts. Topics include the structure of the real numbers, sequences, continuity, differentiation and Riemann integration. This course will be run as a seminar that emphasizes problem solving and proof writing. (Prerequisite: MATH320)

MATH320 Mathematical Modeling (3 hours)

This course introduces students to the fundamental concepts of math modeling. It integrates the student's previous experiences with mathematical concepts to provide a variety of practical methods to solve problems. The course covers mathematical concepts such as graphs, inequalities, slopes, linear regression, matrices, operations and applications of matrices, linear programming, sets, Venn diagrams, permutations, combinations, binomial theorem, and an introduction to logic. (Prerequisite: MATH220)

MATH325 Linear Regression I (3 hours)

Linear regression models are widely used in business administration, economics, engineering, and the social, health, and biological sciences. Successful applications of these models require a sound understanding of both the underlying theory and the practical problems that are encountered in using the models in real-life situations. In this first course in linear regression students will be exposed to some of the fundamental tools of linear regression. The emphasis will be on using and interpreting linear models. In addition to analyzing given linear models, students will analyze data and create linear regression models as a means to assess and evaluate the extent to which individual or sets of predictor variables influence a particular response. Furthermore, students will use models to forecast outcomes associated with various response variables. Applications from a number of different areas will be examined. (Prerequisites: MATH220 and MATH302)

MATH328 Probability Theory with Applications (3 hours)

This course introduces students to the basic concepts and applications of probability theory. An understanding of probability theory is essential to statistics, which is the fundamental basis of how all research is done, from science to medicine to business, marketing, and governmental politics. Probability theory is also essential to such disciplines as mathematics, finance, artificial intelligence, and even legalized gambling (such as state lotteries). Examples of applications problems from these areas are included in the course, with a focus on understanding the concepts and methods of probability theory, as well as solving problems taken from real world applications. (Prerequisite: MATH226)

MATH330 Linear Optimization (3 hours)

This course examines various linear optimization concepts and problem solving techniques commonly found in manufacturing,

transportation, and military operations. The goal of optimization is to find the best possible solution to a problem given a number of constraints. The emphasis of this course is problem solving. This course includes the construction and analysis of real world problems and the application of various linear optimization techniques to find an optimal solution. An optimization software package will also be presented and used to solve problems. This course covers a wide range of linear optimization techniques. Topics include linear programming; the simplex algorithm and goal programming; sensitivity analysis and duality; problems in transportation and transshipment; network models; and integer programming. (Prerequisite: MATH220)

MATH335 Non Parametric Statistics (3 hours)

This course is a non-Calculus treatment of non-parametric tests, probability, confidence intervals, estimation; topics include one- and two-sample problems, one- and two- way analysis of variance, multiple comparisons, and correlation. Students will become familiar with statistical software packages. (Prerequisite: MATH320)

MATH340 Multivariate Statistics (3 hours)

This course will introduce to students analysis of categorical data, log linear models for two- and higher-dimensional contingency tables, and logistic regression models. Also students will analyze aspects of multivariate analysis to include random vectors, random sampling, multivariate normal distribution, inferences about the mean vector and MANOVA. (Prerequisite: MATH320)

MATH360 Mathematics History and Development (3 hours)

This course will introduce students to the historical development of the disciplines of mathematics. Within the discipline of mathematics we will examine the development of numbers and number systems, geometry and measurement, algebra, probability and statistics, calculus, and discrete mathematics. Throughout this course students will study the history of mathematics and mathematics education through readings, case studies, and problem sets. (Prerequisite: MATH320)

MATH370 Waiting Line Models and Systems (3 hours)

Topics in the course will include the nature and type of waiting lines and their impact on systems; measures of system performance, and queuing models (finite sources systems and infinite source such as M/M/1, M/D/1 and M/M/S systems). The analysis and management of these systems will be investigated. (Prerequisite: MATH320)

MATH375 Inventory Models and Systems (3 hours)

This course introduces students to the basic concepts and application of inventory management, its theory and practice. An understanding of the inventory management theory is essential to operations management, production planning and scheduling, and global supply and demand chain management. Inventory management is the heart of operations management in any industry. On upstream, it will dictate policies and procedures for procurement and material management. Its impact on downstream, especially in meeting the required service level, is a determinant factor in high service level which greatly impacts marketing and financial departments. In this course we introduce quantitative methods of optimal inventory management in the context of operations management, forecasting, BOM, MPS, and ERP.

MATH410 Design of Experiments (3 hours)

This course is delivered online and is organized into distinct parts. This course will begin with Design of Experiments (DOE) methodology and statistical inference. The design of single factor, factorial, nested and nested factorial experiments will be taught. Quantitative and qualitative factors will be introduced to simulate real situations that are encountered in operations being explored. Students will learn how to set up and solve fixed, random, and mixed models with two or more factors. Practical applications are provided throughout the course. (Prerequisite: MATH340)

MATH412 Graph Theory (3 hours)

This course studies set theory, counting techniques such as permutations, combinations, generating functions, partitions and recurrence relations, Polya's theorem, Hamiltonian and Euclidian properties of graphs, matchings, trees, coloring problems and planarity. (Prerequisite: MATH305)

MATH415 Operational Simulation (3 hours)

This course examines various mathematical concepts and problem solving techniques and introduces discrete system simulation, Monte Carlo methods, discrete event modeling techniques, programming considerations, statistical definitions and concepts,

random number generation, and output analysis. This will be a problem solving course which will emphasize tools that can be used during the analysis phase of real world problems. (Prerequisites: MATH302 and MATH320)

MATH418 Topology (3 hours)

Topics include definition of a topology, closed sets, relativizations, base and sub-bases of a topology, compact topological spaces, separation axioms, normal spaces, regular spaces, metric spaces, continuous mappings, product spaces, and function spaces. (Prerequisite: MATH305)

MATH419 Set Theory (3 hours)

This course continues the studies of set theory from MATH 210, Discrete Mathematics. This course expands coverage of logic and induction, sets, functions, recursive definitions, counting techniques and the Inclusion-exclusion principle. (Prerequisite: MATH305)

MATH420 Game Theory and Decision Models (3 hours)

“A Beautiful Mind” is a movie that helped popularize game theory. It is a biographical film about the life of John Nash who is known for his work in game theory. “Game theory is the study of mathematical models of conflict and cooperation between intelligent and rational decision makers.” This course examines game theories and their applications commonly found in economics, business, political science, and law and how to model games to make informed decisions. Topics include dominance solutions, Nash equilibrium, backward induction, subgame perfect equilibrium, repeated games, dynamic games, Bayes-Nash equilibrium, mechanism design, auction theory, and signaling. (Prerequisites: MATH220 and MATH225)

MATH431 Linear Regression II (3 hours)

Linear regression models are widely used in business administration, economics, engineering, and the social, health, and biological sciences. Successful applications of these models require a sound understanding of both the underlying theory and the practical problems that are encountered in using the models in real-life situations. In this second linear regression course, students will focus on validating and creating linear models as a means to investigate the nature of the relationship between sets of predictor variables and a particular response variable. The emphasis will be on validating the utility and appropriateness of models used in a number of divergent application areas. Validation of regression model building assumptions will also be explored. Diagnostics and remedial measures, including transformations, will be examined. Specialized regression techniques will also be presented. (Prerequisite: MATH325)

MATH440 Stochastic Processes (3 hours)

The goal of this course is to teach students statistical and stochastic concepts, methods and models through examples, help students relate stochastic models to real life problems, and also encourage students to develop critical thinking skills that will allow them to realize greater success as mathematics major. (Prerequisite: MATH320)

MATH460 Principles of Applied Mathematics (3 hours)

The process of expressing scientific principles, experiments, and conjectures in mathematical terms. Topics include: gathering reliable data, exposing underlying assumptions, variables, relationships, levels, refining of models, and stochastic models. Deterministic versus stochastic models. (Prerequisite: MATH305)

MATH470 Measurement Theory (3 hours)

This course covers the study of basic topics in analysis with emphasis on methods and measurement. Sequences, series, functions, uniform convergence, continuity, partial differentiation, extreme value problems with constraints, Riemann integrals, line integrals, improper integrals, integrals with parameters, transformations. (Prerequisite: MATH305)

MATH499 Senior Seminar in Mathematics (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Mathematics. The students will examine a number of real-world case studies; prepare an approved academic project or paper; and demonstrate mastery of their program of study in a meaningful culmination of their learning. Students must complete ALL Core and Major Courses prior to this course. Student must have senior standing to register.

Undergraduate Course Descriptions

Military History

MILH201 Introduction to Military History (3 hours)

This course is a survey of the changing patterns of warfare within Western civilization, to include analyses of principal military thinkers and the evolving relationship among Western societies, warfare, and their military institutions.

MILH202 Survey of American Military History (3 hours)

This course is a study of the American military institution from the colonial period to the current environment in the 21st century. Students will examine military traditions and employment of forces during war and peace as well as the relationships between the military and society. Recommended prerequisites are two lower level survey courses in U.S. or World History.

MILH221 War From Antiquity to 1700 (3 hours)

This course is a survey and discussion of warfighting during ancient times through to the beginning of the 17th century with emphasis on technological advances in the military arts and sciences and their short term and long term effects on strategy and tactics.

MILH222 War from 1700 to the Present (3 hours)

This course is a survey and discussion of warfighting from end of the 17th century until now, to include military arts and science as well as combined arms employment. Emphasizes the innovations and changes in strategy, tactics, organization and technology engendered by the decisions of the great captains of each age.

MILH303 Readings in Military Leadership (3 hours)

This course is a study of military leadership of ancient to present day commanders through selected readings. Emphasis will be on the burden of command and the various solutions that military leaders employed in the prosecution of war. Ancient and modern leadership will be examined, but the primary focus will be on the modern era. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH304 Readings in Military Philosophy (3 hours)

This course is a study of basic concepts in military strategy and tactics viewed through the prism of the selected readings from well-known military philosophers. Both ancient and modern philosophers will be studied. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH318 The French and Indian War (3 hours)

The French and Indian War, otherwise known as the Seven Years War, was fought in North America between the years 1754 and 1763. The British and their American colonists fought against the French and the Indians initially over territorial disputes of the Ohio River Valley. This resulted in one of the world's first global wars, and consequently set the stage for the foundations of the American Revolution. This course will focus on the beginnings of the war, both domestic and international, military events, and the consequences of the war. Prerequisite - HIST300/HS334 for History and Military History majors only

MILH320 The American Revolution (3 hours)

This course examines the American Revolution from its antecedents to its legacy. The events leading to the revolt and the Declaration of Independence; the strategy and tactics of the war emphasizing the land campaigns; and the aftermath of war on the new Nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH355 World War I (3 hours)

This course analyzes World War I, from the political unrest in Europe in 1914 and the outbreak of war to the Armistice in November 1918 to the treaty of Versailles in 1919 and the official end of the war. Global in scope, the themes highlight the origins of the conflict, Entente and Central Powers strategies, plus the major military campaigns, power diplomacy, life on the home front and America's entry and effect to the Entente (Allied) war effort her entry had on the outcome of the conflict. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH360 World War II (3 hours)

This course is a global examination of the Second World War with an emphasis on the origins of the conflict, Axis and Allied strategies, major military campaigns, great power diplomacy, life on the home front, and the Holocaust. The experience of combat, social and political changes that resulted from the conflict and the scientific consequences of the war will be continual themes addressed by the course material. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH362 Ancient Military History (3 hours)

This course is a comprehensive survey of ancient and classical warfare (prehistory to c. AD 500) in Western Civilization from the origins of warfare in the Paleolithic period to the decline and fall of the Western Roman Empire in the fifth century. The millennia under study in this course were a dynamic period in warfare, full of important discoveries and innovations in martial technologies, strategy, organization and combined-arms tactics, fortification, siege craft, and naval warfare. Students will read and analyze a wide variety of sources on ancient and classical warfare in Mesopotamia and the Near East (Sumerian, Akkadian, Babylonian, Hittite, Assyrian and Persian), Egypt (Old, Middle and New Kingdom), Greece (Mycenaean, Archaic, Hellenic and Hellenistic) and Rome (Republican and Imperial) in order to develop an appreciation of the important contributions of these civilizations to the continuity of warfighting in the Western world. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH363 17th and 18th Century Military History (3 hours)

This course covers the history of warfare from the Spanish Armada in 1588 to the dawn of the French Revolutionary wars in the 1790s. The 17th and 18th centuries were an era in world history abound in continuous warfare. The militaries of Europe in particular were still primarily composed of mercenaries, politically and often militarily unreliable. Warfare in this era was not confined to the plains of Europe; the world's oceans also played host to their own form of combat. The 17th and 18th centuries at sea began with Great Britain on the verge of invasion from the Spanish Armada to Great Britain becoming the unquestioned master of the ocean. Thus, the 17th and 18th centuries began in an aura of indecisiveness and closed awash in the destruction of "world" war. The evolution of warfare from the inconclusive to the decisive battle is explored in depth. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH364 Medieval Military History (3 hours)

This course is a comprehensive study of European post-classical warfare from the decline and fall of the Western Roman Empire in the fifth century to the integration of reliable gunpowder technologies at the beginning of the sixteenth century (c. 450 to c.1500 AD). Students will read and analyze a wide variety of sources on medieval warfare in order to develop an appreciation of the important contributions of the European Middle Ages to the continuity of warfighting in Western civilization. Contrary to popular belief, the millennium under study in this course was a dynamic period in warfare, full of important rediscoveries and innovations in fortification, siegecraft and combined-arms technology, organization and tactics, all of which allowed Europe to become the preeminent military power in the period after 1500 AD. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH365 The Napoleonic Wars and the Long Peace (3 hours)

This course examines the theory and practice of warfare in Europe from 1785 to 1870. It will emphasize the rise of Napoleon as a military leader, as a practitioner of the operational art, but will also examine his political, economic and legal impact on Europe as a whole. This course will focus on the wars of the French Revolution, Napoleon's northern Italian campaigns, his expedition to Egypt, his battles while leading the Grand Army at Austerlitz and Jena, and his march to Moscow where he led the largest army in European history to date. It will also cover the 1813 and 1814 campaigns, the reactions of Napoleon's enemies to his innovations in warfare, and his final defeat at Waterloo. The course then looks at the status of Europe in 1815 and the conditions which set the terms for the "Long Peace". The course ends prior to the start of the wars of 1870 and the lessons learned. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH370 The Korean War (3 hours)

This course provides a history of the Korean War from pre-hostilities to post-ceasefire. The course mainly concentrates on the U.S. and South Korean conflict against North Korean and Chinese forces, but other UN participants are covered throughout the course. All three levels of conflict, from tactical to strategic are discussed. The increase in technology, the usage of modern weapons, POWs, and the continued presence of U.S. forces in the Republic of South Korea are also covered. (Prerequisite -

HIST300/HS334 for History and Military History majors only).

MILH371 The Vietnam War (3 hours)

This course examines the origins of the conflict in Indochina, American intervention and commitment, the ground wars, Vietnamization, trouble at home, the US withdrawal, and the war's effect on American society. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH411 Diplomacy and War I (3 hours)

This course is a comprehensive international study of the struggles between and among states, beginning with ancient times and ending with the Congress of Vienna, and of the relationship between diplomacy and war in pursuing national objectives. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH412 Diplomacy and War II (3 hours)

This course is a comprehensive international study of the struggles between and among states, beginning with the restructuring of Europe after the Congress of Vienna and ending with the fall of the Berlin Wall, and of the relationship between diplomacy and war in pursuing national objectives. (Prerequisite - HIST300 for History and Military History majors only).

MILH421 History of Peacekeeping: 1945-1987 (3 hours)

This course examines the overall evolution and functioning of United Nations Peacekeeping Operations (PKO) during the Cold War period. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. The origins and evolution of UN peacekeeping are explained in military, diplomatic, and political terms. This course describes how superpower conflicts shaped both the direction and scope of UN PKOs. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

MILH422 History of Peacekeeping: 1988-Present (3 hours)

This course examines the strategy, operations, evolution, and functions of United Nations Peacekeeping Operations (PKO) from the end of the Cold War to the present. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. While the United Nations peacekeeping operations are studied in detail, other forms of peacekeeping are presented as well. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

MILH480 Special Topic: Military History (3 hours)

This course is a one-time offering on an area of special interest and may be applied to fulfill major course requirements or electives. A student may appeal to take this course twice, if the subject matter is different enough to merit separate credit. WINTER 2014 SPECIAL TOPIC - MEDAL OF HONOR Students will learn about the story behind the Medal of Honor and the significance of the design of the Medal. Students will also learn how Confederates were honored with a Roll of Honor. They will learn that the Medal of Honor Legion was founded in 1890 to protect the Medal from abuse. They will learn that 911 Medals of Honor were revoked in 1917 after all the Medals to date were reviewed, including those of the only woman and the 27th Maine, and will learn if any of these Medals were restored later. They will also learn about modern Medal of Honor recipients.

MILH490 Independent Study: History (3 hours)

An opportunity for Military History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to Military History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the

course. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH498 Senior Seminar in Military History (3 hours)

The Senior Seminar in Military History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in military history. After a review of the student's academic experience, the student and professor will design a course of study to complete the student's preparation for research and writing a major paper in their field of interest. This is a capstone course to be taken after all other Military History courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILS110 Introduction to Military Leadership (3 hours)

This course is a study of military leadership designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include leadership in battle, preparation for war in the form of effective unit training, examples of effective enlisted leadership qualities and leaders, and the role of inspiration in leadership.

MILS120 Small Unit Leadership (3 hours)

This course is a study of small unit military leadership traits, principles, and cases. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include effective small unit leaders and leadership characteristics; squad, platoon, team, and other small unit organizations of the U.S. military, and the critical roles of morale, courage, and teamwork play at the small unit level.

MILS121 The Military Soldier (3 hours)

This course is a study of the military soldier. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include the soldier's role in the military and in society, the effective definition of the military soldier through study of several legendary soldiers, and the capabilities and limitations of the soldier as an arm of national power.

MILS122 Enlisted Leadership (3 hours)

This course is a study of enlisted leadership at the noncommissioned and senior noncommissioned officer levels in today's U.S. military. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include the enlisted leadership exemplified in America's major conflicts, the trials of mid-level leaders amidst military and societal change and how the Non-Commissioned Officer is the backbone of each branch of the U.S. Armed Forces.

MILS200 Military Structure and Organization (3 hours)

This course is a study of the enlisted military structure. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Historical analysis provides the evolution of the enlisted military from its earliest inceptions in American history.

MILS250 Military Ethics (3 hours)

This course is a study of military ethics, morality, and moral courage. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include cases of moral decision, principles and theory of ethical military decision-making, and the concept of military ethics in the framework of military rank, command, and obedience and the expectations of a constitutional democracy.

NSEC411 Introduction to National Security (3 hours)

This course is a broad initial examination of National Security Strategy in the United States focused on defining and implementing national security objectives. It will encompass the internal security framework, organizations and stakeholders as well as the concept of "power" as it relates to national security decision making. Additionally, this course will consist of a current review of the changing security environment around the globe, to include; Russia, East Asia, the Middle East, Sub-Saharan Africa, Latin America and Europe. The objectives of the course are for students to gain an understanding of the concept of power and its implications on international and national security; to describe the historical context and evolution of American national security;

to comprehend the relationships and interaction of the three major branches of our government and the impact on national security; to be able to describe the levels of conflict and other factors affecting national security and national security decision-making; to develop an awareness of the historical and current issues relative to international and regional security; and to gain an appreciation for the challenges ahead in the 21st Century of national security issues.

Undergraduate Course Descriptions

Military Management

DEFM305 Acquisition Business Management (3 hours)

Deals with common financial issues in acquisition that include cost estimating; earned value analysis; Planning, Programming, Budgeting and Execution (PPBE); congressional enactment; and budget preparation and execution. In this course, the student will prepare, justify, and defend budget exhibits and obligation/expenditure plans; formulate impact/reclama statements and reports; and develop and defend business aspects of the acquisition and PPBE cycle.

DEFM310 Program and Acquisition Management I (3 hours)

This course is an introduction to the requirements of successful program management in the DOD. The course will look at the entire systems acquisition cycle from the point of view of government requirements and the efforts of the civilian contractor to bring the system to Full Operational Capacity.

DEFM311 Program and Acquisition Management II (3 hours)

This course of instruction addresses the DOD acquisition process once the government has decided that it must seek the enormous resources of the private industry. The scope of this course specifically addresses the formal process by which the DOD requests (or solicits) industry to respond to their needs and requirements. The course also outlines the evaluation process and evaluation criteria used by the government to evaluate and select the winning proposal. The course will review the Federal Acquisition Regulations (FAR) and the Defense Federal Acquisition Supplements (DFARS). Additionally the course will review the current policy in the DOD to outsource to the private sector (non-DOD sources) the tasks and functions previously performed by in-house government workforce. (Prerequisite: DEFM310)

DEFM312 Defense Budget Development and Execution (3 hours)

This course is a study of the process by which the acquisition, personnel, and readiness (operations and maintenance) portions of the annual Defense Budget are integrated and executed. Students will learn of the politics behind the issues and will gain an appreciation for the complexity of the process. Following an in-depth review of the political scope of budgeting, the course will shift into a study of how budgeting actually works at each stage of executive and legislative action. From the preparation of the service and agency budgets, through the presentation of the president's budget, to the actual appropriation and expenditure of funds, the student will apply his knowledge of the politics of the process to appreciate the problems and issues in defense budgeting.

DEFM314 Military Logistics (3 hours)

This course is a survey of the role of logistics in support of warfighting from ancient times to the present. Students will analyze these warfighting efforts in terms of principles of logistics.

DEFM331 Military Reserve Couns. & Retention Mgmt. (3 hours)

This course is a study of issues associated with military managers ability to effectively guide subordinates in the retention and counseling of predominately part-time service members. Focusing on the unique needs of the military Reserve component, where issues vary greatly from procedures governing regular component counterparts, this course is a study in unique circumstances brought on by the need to balance a civilian career with the duties, responsibilities and potential hazards of the military. Course topics include in depth study of legal and regulatory rules and regulations governing the Reserve component. Additionally, it addresses the effective counseling and guidance that is required for personnel retention and reduced attrition rates. Scientifically applied practices and measures and historical examples are used. This course is ideally suited for the senior reserve personnel or retention manager, or regular component or civilian manager who desires to bolster proficiency in Reserve Component military retention procedures.

DEFM332 Transition and the Military Family (3 hours)

This course is designed to provide students with knowledge of the theoretical and practical aspects of managing transitions, with a focus on those issues incumbent on the military family. Course topics include change and choice, psychology of the self,

interpersonal relations, health, dysfunction, grief, and building a life-career. Particular attention is focused on these topics' application to the military family lifestyle, to include deployment separation, reunion, marriage and family, parenting, military casualty, and life-career. The following questions appear as themes throughout the course: what is transition; what transitions do military families experience; what are the affects on the body, mind, spirit, and interpersonal relationships; what is resilience; and how does one create a plan to strengthen resilience?

DEFM350 Military Human Resource Management (3 hours)

This course will concentrate on military human resource management or personnel management. This course will take two tracks. First, the course will explore human resource management from a business perspective. Secondly, it will explore human resource management from a military perspective. Leading soldiers, sailors, Marines, and airmen in combat is categorically different in nature and function from anything in the business world and its subsystems. Combat leaders are not middle-tier managers. It is acknowledged that there are limitations in using the business model. In every organization, people make the difference between success and failure. In assessing the flow of history, Arnold Toynbee concluded that the rise and fall of societies has depended almost exclusively on the quality of the people and the leaders. For those in the military, and defense establishment: the officers, NCOs, soldiers, sailors, marines, airmen and civilians are critical to whatever we do. Personnel issues can determine combat effectiveness as much or more than doctrine, logistics, or technology. Personnel are still at the heart of conflict.

DEFM351 History of Military Retention (3 hours)

This course starts with the Revolutionary War and progresses through all major events in United States history which impact upon the military retention process. The correlation between the nation's history and military retention policies have direct connections that will be examined closely to develop a better understanding for military counselors and other interested students. Understanding the history of retention provides the background for those who want to avoid past mistakes. It also helps the professional military counselor to place retention needs in a historical context when developing career counseling programs.

DEFM410 Program Appraisal (3 hours)

This course is designed to develop the basic skills essential to evaluate public programs. Knowledge of the policy process and of research methods are brought together in the execution of an ethical evaluation of how well the processes, and outcomes of a program meet the needs at which the program is targeted. This course will introduce the basic concepts of planning and carrying out an evaluation, the most commonly used analytical tools, and cost-benefit and cost-effectiveness methods. It will also introduce the basic format of evaluation reports.

DEFM412 Deliberate and Crisis Planning (3 hours)

This course is a survey of the two major types of planning employed by the Department of Defense. Differences between the two and the advantages/disadvantages of each will be examined.

DEFM415 Acquisition Test & Evaluation (3 hours)

Emphasizes the basic test and evaluation (T&E) principles, policies, organizations, processes, and practices used by DOD. Course topics include the role of T&E in systems acquisition, T&E planning, experimental design, measurement of systems effectiveness and suitability, instrumentation, and data collection and management. Also covered are reliability, maintainability, and availability of systems; analysis and evaluation; software; modeling and simulation; and T&E of alternative acquisitions. Problem-solving situations engage students in the use of T&E concepts, principles, and theories.

DEFM423 Mission Support Contracting II (3 hours)

This course involves a case study in which professionals apply the knowledge and skills to demonstrate their ability to negotiate fair and reasonable prices and to consider the legal implications for various contract situations. The case study helps develop critical thinking, cost analysis, negotiation, and contract administration skills necessary for successful contract performance.

DEFM465 Military Management Senior Seminar (3 hours)

The Military Management Capstone is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in Military Management and Program Acquisition. After a review of the student's academic experience, the student and professor will design a course of study to round out the student's preparation for research and writing a major paper in their field of interest. Student must have SENIOR standing to register.

DEFM490 Independent Study: Military Management (3 hours)

This course is an opportunity for Military Management students to pursue an independent research project or examine a specific area of Management under the mentorship of a single professor. Students must have already completed 24 hours. Participation is at the discretion of the faculty member. The student will produce a major research paper. There will be no examination. Students will submit a proposal prior to the start of the project. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Nursing

NURS300 Professional Transitions in Nursing (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. Students complete a professional self assessment using the indicators for the professional nursing role outlined in the Nurse Practice Act in the jurisdiction in which they are licensed. Self-assessments of competency and comfort with technology, oral, and written communication in nursing are also completed. Action plans are formulated to facilitate development in these areas. The practitioner, scientist, and leader roles of the professional nurse provide a framework for exploring reflective practice, evidence-based practice, nursing ethics, and patient safety. The histories of nursing, medicine, allied health, public health, and global health provide a lens and context for exploring the scope of the professional nursing role.

NURS310 Assessment, Evaluation and Clinical Decision-Making (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course explores the science of nursing assessment, evaluation, and decision-making. Students develop case studies from their own practice to assess patients across the lifespan and evaluate the effectiveness of interventions. Online faculty-facilitated discussions provide the student with the opportunity to review and evaluate a variety of cases and patient presentations. (Prerequisite: NURS300)

NURS320 Integrated Pathophysiology and Clinical Pharmacology I (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This 2-course series explores common physiological patterns of co-morbidities and multiple functional problems and associated pharmacological interventions. Traditional and simulated case studies strengthen clinical reasoning for patients experiencing multiple functional problems across the lifespan, including end of life and palliative care. (Prerequisite: NURS310)

NURS330 Integrated Pathophysiology and Clinical Pharmacology II (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program and continues with content studied in NURS320. Genetics, genomics, multi-generational family histories, and health screenings are explored within the context of the professional nursing role. Case studies are used to develop clinical reasoning and identify associated coordination of care problems. (Prerequisites: NURS320)

NURS340 Science of Evidence-Based Practice (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course reviews evidence-based practice, the history of this movement, and the challenges to implementation in the practice setting. Students will further develop their skills with efficiently finding, reading, and comprehending published research and determine applicability to clinical practice. Students continue to explore means to assess, monitor, and develop cultures of safety in their own organizations and will become familiar with several national safety initiatives. (Prerequisites: MATH302, NURS330)

NURS350 Transformational Leadership and Cultures of Safety (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course includes an assignment to shadow a nurse leader for 20 hours. It is recommended that students select a nurse leader for this assignment prior to the course start. This course builds on assessments related to professionalism, culture of safety, nursing ethics and effective use of healthcare technology completed in previous courses with an emphasis on leading change in complex organizational healthcare systems. Students integrate and apply this knowledge to improve quality and build cultures of safety in their workplaces. (Prerequisite: NURS340)

NURS400 Emerging Scholarship and Trends in Healthcare (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. Students explore the rapid evolution of current nursing practice and examine historical and contemporary issues germane to their practice. Students examine changes in technology and its impact on access, cost, quality, and knowledge development. Global health and

nursing workforce issues are evaluated and discussed. (Prerequisite: NURS350)

NURS401 Caring for Today's Veterans (3 hours)

This course will address the veteran culture and the healthcare issues facing today's military veterans. Content will be drawn from the most current evidence-based literature and research related to the health care needs of this population. Special emphasis will be placed on veterans from the conflicts of the last two decades, including traumatic brain injury and post-traumatic stress syndrome. This course is open to students outside of the nursing major.

NURS402 Complementary and Alternative Medicine for Health Professionals (3 hours)

Application of complementary and alternative medicine (CAM) provides nursing and public health professionals' autonomy by allowing them to address aspects of a patient's well-being often disregarded by Western medicine. In this course, health professional learners will increase their understanding of CAM therapies and will demonstrate its implementation in a holistic care model.

NURS403 Ethics in Nursing (3 hours)

This course explores the complex issue of nursing ethics. Using a case study and reflective format, students will consider broad ethical principles that support nursing practice, including the American Nurses Association Code of Ethics. Special problem areas in nursing practice will also be addressed and discussed.

NURS404 Genetics and Genomics for Healthcare Professionals (3 hours)

This course will expand upon the basic knowledge of genetics and genomics that is taught in the core nursing curriculum. Students will learn the basic concepts of molecular genetics and discuss the impact that genetics has on selected health problems and patient populations. This course is open to students outside of the nursing major.

NURS405 Gerontology in Nursing (3 hours)

Gerontology nursing is a specialty of increasing interest and significance in the nursing profession. This course will provide students with theoretical and evidence-based content to increase their knowledge in the care of the older adult. Content includes legal and ethical challenges in caring for this growing population, as well as a discussion of the specialty of gerontology nursing.

NURS407 Nursing Care at the End of Life (3 hours)

This course will explore nursing care at the end of life. Using reflective practice and other interactive formats, students will consider care for patients of all ages and their families, as well as for themselves as caregivers. Ethical and spiritual issues, as well as cultural differences in end-of-life practices, will be discussed.

NURS408 Nursing in Disasters (3 hours)

Regardless of their area of specialty practice, nurses and other healthcare professionals must have basic competencies that allow them to effectively respond in disasters and other emergency situations. This course introduces the principles of disaster nursing and explores legal and ethical issues, working with vulnerable populations, and specific disaster situations. Disaster communication and the Incident Command System as it applies to healthcare are also addressed. This course is open to students outside of the nursing major.

NURS409 Promoting Health and Wellness (3 hours)

Students in this course will look at all aspects of health promotion. Theoretical and evidence-based literature will support practical ways in which nurses and other healthcare professionals can advocate for healthy lifestyle choices in their patient populations. Assessment, planning and evaluation of health promotion practices will be discussed. This course is open to students outside of the nursing major.

NURS410 Community Health I (4 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. The course will begin with the history and theory of community health nursing and the influences of political and financial decisions. The course will provide an opportunity to investigate social, environmental, and economic issues and available community resources. Clinical project experiences allow for assessment and planning for health education and health problems, epidemiology and cultural issues. This course includes a clinical project, which will be completed in NURS420. Students must arrange for a

BSN-prepared project mentor prior to the start of this course. They have the option to use their program mentor. Formal mentor agreements will be signed during the first week of the course. (Prerequisites: NURS400)

NURS411 Applied Genetics and Genomics for Healthcare Professionals (3 hours)

This course will expand upon the basic knowledge of genetics and genomics that is taught in the core nursing curriculum. Students will learn the basic concepts of molecular genetics and discuss the impact that genetics has on selected health problems and patient populations. This course is open to students outside of the nursing major.

NURS420 Community Health II (4 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. In this course the student will continue to study the community as a client. The student will gain knowledge of the vulnerable and under-served populations as well as how communities are affected by culture diversity and natural and man-made disasters. Clinical project experiences allow for assessment and planning of an individual, family, and community's health. This course includes the completion of a clinical project that began in NURS410. Students must arrange for a BSN-prepared project mentor prior to the start of this course. They have the option to use their program mentor. Formal mentor agreements will be signed during the first week of the course. (Prerequisite: NURS410)

NURS498 Senior Seminar in Nursing Studies (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course is organized around individual student research papers and project development and serves as a capstone and culminating experience where students integrate knowledge and apply professional skills to improve the quality of health in the workplace. Students prepare formal written and poster presentations of the project. A final evaluation of progress toward meeting goals is completed. (Prerequisite: Senior status and completion of all core and major course requirements prior to enrollment.)

Undergraduate Course Descriptions

Philosophy

PHIL101 Introduction to Philosophy (3 hours)

This course is intended to equip the student with a baseline understanding of issues and concepts that compose the Western philosophic enterprise, and to serve as a point of departure for their further studies in Philosophy.

PHIL200 Introduction to Ethics (3 hours)

This course will examine the field of ethics and provide the tools for ethical decision-making. Students will analyze texts for meaning, apply theories learned to various areas of moral concern, such as war, euthanasia, divorce, and poverty. The course will also provide an overview of how philosophers have thought about moral problems and some of the solutions they have proposed. Students will develop the ability to think about moral problems in a clear and logically consistent manner.

PHIL202 Philosophy of Science (3 hours)

Philosophy of Science will introduce students to the origins and development of modern science and how that is distinguished from pseudo-science; the importance of deduction and induction and their separate methodologies; the process of the scientific method; scientific change and scientific revolutions, particularly that of Thomas Kuhn; and selected philosophical problems in the basic sciences, such as absolute space, biological classification, the modular mind, and recent discoveries of neuroscience.

PHIL300 Logic (3 hours)

This course is an examination of the historical and contemporary concepts and techniques used in logic and emphasizes modern and classical treatments of topics such as quantification and rules of inference. The course will cover the principles of induction, informal fallacies, and uses of logic in everyday life. (Prerequisite: PHIL101). NOTE: THIS COURSE UTILIZES SOFTWARE THAT CAN ONLY BE RUN ON WINDOWS OR MAC SYSTEMS

PHIL301 Ethical Theory and Concepts (3 hours)

This course examines the leading ethical thinkers, research, and writings that dominate the history of moral philosophy from the ancient to the contemporary periods, including such traditional philosophers as Aristotle, Kant, and Mill. Students will compare and contrast traditional Western theories and non-traditional, non-Western ethical theories, and recognize the main objections to traditional Western ethical theories. (Pre-requisite: PHIL101).

PHIL302 Ancient Western Philosophy (3 hours)

This course examines themes in the thought of Plato, Aristotle, and the Stoic, Epicurean, and neo-Platonist philosophers of the ancient world. It enables the student to enter the “great conversation” of western civilization as well as debate the fundamental questions that surround science, religion, self-awareness, ethics, and politics. (Prerequisite: PHIL101).

PHIL303 Medieval Philosophy (3 hours)

This course considers the synthesis of Christianity with classical pagan philosophy achieved by St. Augustine and St. Thomas Aquinas. What became of the ancients’ ideal of human knowledge in an age when philosophy became the “handmaid of theology”? What were the underpinnings of the “natural law” conception of moral and political philosophy? How did this medieval synthesis break down, on the scientific side with Galileo’s challenge to Aristotelian physics and astronomy, and on the moral and political side with Machiavelli’s portrayal of a Renaissance prince? (Note to Students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course. (Prerequisite: PHIL101).

PHIL310 Studies in Chinese Thought (3 hours)

This course is an introduction to the three great traditions of Chinese philosophy: Confucianism, Taoism, and Ch’an Buddhism. Modern translations and commentaries of the classical texts will be used.

PHIL311 Studies in Japanese Thought (3 hours)

This course is an introduction to the Japanese philosophical tradition. Zen Buddhist teachings will be examined through two quite different but equally representative schools: "zazen" - sitting in meditation, and "koan" - Zen riddles. The Bushido or Samurai teachings will also be examined. Modern translations and commentaries of the classical texts will be used.

PHIL320 Environmental Ethics (3 hours)

This course is a study of environmental issues from a moral and philosophical approach. Issues raised in the course include the moral obligation, or lack thereof, to preserve and protect the environment, the ethical presumptions that underlie environmental policy, the traditional theories of moral philosophy applicable to contemporary environmental problems, and the potential for a new conception of the relationship between humanity and nature.

PHIL400 Contemporary Issues in Philosophy (3 hours)

This course is an examination of specific topics in philosophy that are of central interest and interdisciplinary in nature. Topics are selected with reference to the areas of technology, aesthetics, philosophy of religion, as well as ethics, social, and political philosophy. Topics include but are not limited to homosexuality, abortion, drugs, civil disobedience, capital punishment, and the rights of the individual versus the rights of society. (Pre-requisite: PHIL101).

PHIL404 Epistemology (3 hours)

This course is a critical examination of problems concerning knowledge and belief; for example, how are beliefs acquired and justified, are there limits to knowledge, what is the scope and reliability of reason and experience, what counts as an explanation, how are truth, meaning and reality related? Readings will be from historical and contemporary sources, e.g., Descartes, Kant, Russell, Wittgenstein, Quine.

PHIL410 God and World (3 hours)

What is it that we name, what is it that we mean, when we say God? Although we may speak of God as if we are naming some entity or being whose identity we hold in common understanding, as we will see, God is a name used to express a range of concepts and experiences that have varying and often conflicting features. In this class we will examine some of these concepts and descriptions of experiences of the divine. Ultimately, however, this is not a study of God but of man and his attempt to understand his relation within and between God and the world.

PHIL415 Enlightenment Philosophy (3 hours)

This course follows the development of the European philosophical tradition through the age of religious upheaval, secular enlightenment, and scientific and democratic revolutions. The key themes addressed in the course include the social contract theory, toleration, freedom of thought, and the enlightenment ideal. (Pre-requisite: PHIL101).

PHIL416 Modern & Post-Modern Philosophy (3 hours)

This course is the contemporary discussion of philosophic thought. It addresses the leading thinkers and theories of the past two centuries and includes but is not limited to Hegel, Marx, Nietzsche, Sartre, and Arendt. (Pre-requisite: PHIL101).

PHIL498 Senior Seminar in Philosophy (3 hours)

This capstone course is an intensive study of major figure(s) and or movement(s) in philosophic thought. Students will integrate knowledge acquired in previous courses into critical analyses of movements, theories and principles that have influenced historical and contemporary thought in philosophy. This is a capstone course to be taken after all other Philosophy courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Political Science

POLS210 American Government I (3 hours)

This is the first course in a two-course sequence in American Government. The course is designed to convey basic facts about the structure and functioning of the American political system. The philosophical foundation of the U.S. Constitution is explored and the federalist construct is examined. The functions of the three separate branches of government and their roles in policy making are a major focus.

POLS211 American Government II (3 hours)

This is the second course in a two-course sequence in American Government. The course is designed to provide research tools and writing skills that will build on the academic knowledge acquired in POLS210. The student will investigate issues in American government in greater detail through use of Internet-based research, seminar discussions, and point papers. (Prerequisite: POLS210).

POLS212 Political Analysis: Cultural Perspectives (3 hours)

This undergraduate course is oriented around two cultural tool kits for students to use when conducting a political analysis of either people or a country. The micro-cultural tool kit focuses on Brooks Peterson's five cultural scales, measuring individual interactions between people of different cultures, but also includes many more domains. The macro-cultural tool kit focuses on five domains of culture at the societal level: development, religion, geography, ethnicity, and nationalism. With these five domains, the student will be able to analyze the cultural differences between nations and between regions of the planet.

POLS213 Political Theory (3 hours)

This course offers an overview of Western political thought from the Ancient Greeks to contemporary political theorists. It follows the rise of secularism and modernity through an Enlightenment tradition of social contract theory, shaping debates on human nature, equality, liberty, rights, and justice as the basis for civil society and democratic governance. This course is an essential foundation for the political science major.

POLS301 Ethics in Politics (3 hours)

This course focuses on providing students a study of ethics as it relates to government. Students will be presented with readings, case studies, and insightful information that will provide them the opportunity to analyze topics that will enable student discussions pertaining to ethical dilemmas in politics.

POLS311 Political Parties and Interest Groups (3 hours)

This course is a study of the various roles of political parties and interest groups in the American democratic process. Issues covered include the ideological differences among parties, the role of third party candidates, mobilization of voting blocks, the formation and types of interest groups, and political agenda development.

POLS312 State, Local, and Community Politics (3 hours)

Comparative analysis of state and local political systems in the United States. Emphasis is placed on the contemporary role of states and localities in the development and implementation of public policies. Additionally, there is an examination of the role of grass roots social movements in shaping local politics.

POLS314 Diversity Studies in Politics (3 hours)

This course examines the concept of diversity in politics in the United States and the impact of a multicultural system on political governance and social relationships. By exploring and analyzing the components of the Diversity umbrella, to include culture, class, gender, and ethnicity, students will develop an understanding of the impact of a multicultural society on the politics in America. Through structured discussions, selected readings, written assignments, and a final examination, students expand on theoretical arguments concerning current issues pertaining to diversity in politics.

POLS401 The Psychology of American Politics (3 hours)

This course is an overview of the psychological study of American politics. Various topics and issues are covered throughout the course to include the personality, leadership style and decision making of presidents, voter choices and preferences, the influence of the media and political attitudes of different groups.

POLS410 Public Policy (3 hours)

Analyzes the formulation and execution of public policy in America. Includes study of decision-making theory, bureaucratic politics and other models that seek to explain how policy is made. Issues explored include social, environmental, economic, homeland security, defense, and foreign policy. Additional issue areas may be covered depending on contemporary significance.

POLS420 Comparative Politics Parliamentary Democracy (3 hours)

This is a course comparing Parliamentary Democracy to the American Constitutional Democracy. The case study for this course will be the government of the United Kingdom. The government and politics of the British parliamentary system will be compared and contrasted with the constitutional democracy of the United States. Students will learn about the development of British parliamentary democracy in comparison with the growth and development of democracy in the United States.

POLS430 Comparative Politics Communism (3 hours)

This course is about the government and politics of communism, in theory and practice, with emphasis on China, in contrast with the theory and practice of democracy in the United States. Students will learn about the development of communist theory, about political life in communist China, and about China's political institutions. Students will also learn about the development of representative democracy in America and about the comparative merits of both systems of government.

POLS440 Comparative Politics Theocracy (3 hours)

This course compares the government and politics of theocracy and democracy. The case study for this course will be the government of Iran. The course will compare the government and politics of the Islamic Republic of Iran with the United States. Students will learn about the development of the Iranian theocratic state, how the political parties differ between the two types of government, how theocracy affects foreign policy, and how a theocratic constitution compares with a democratic constitution.

POLS491 Special Topics in Political Science (3 hours)

This course allows the students to examine an emergent issue or event in this field of study. The course will be taught in a structured seminar format. Students are required to complete a Research Paper.

POLS497 Senior Seminar in Political Science (3 hours)

Analyses of specific issues addressed at the national level that would include a review of American political institutions and decision-making; policymaking in the economic, social, and security arenas; instruments of foreign and defense policy; federalism and democratic political theories; and the electoral process. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. This is a capstone course to be taken after all other Political Science courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Professional Studies

BUSN120 Real Estate Principles (3 hours)

This course provides an introduction to real estate as a business and profession. Students will have the opportunity to discuss and review terminology, concepts and best practices for the real estate industry. Topics will include the real estate market, property rights, deeds and leases, contracts, the closing process, urban economics, brokerage, appraisal, land uses, and insurance.

BUSN121 Real Estate Practice (3 hours)

This course provides an introduction to real estate from an operations viewpoint. Students will have the opportunity to discuss and review terminology, concepts and best practices on how to manage the basic functions within the real estate industry. Topics will include structure of leases, real estate development, negotiations, marketing, and other issues associated with the real estate practice

BUSN220 Real Estate Finance (3 hours)

This course is an investigation of institutions, instruments, and structures by which investment in real estate is financed. It reviews capital markets, the sources and use of real estate funds, and the role of government in real estate finance. The course also covers technical skills involved in real estate finance, to include risk analysis, portfolio theory and management, REITs, and capital market trends.

BUSN221 Real Estate Appraisal (3 hours)

This course examines property rights and their valuations. Students will have the opportunity to discuss and review terminology, concepts, and best practices on the factors affecting the value of property rights as they relate to general economic theory and the real estate process. Topics will include real estate appraisal methods, valuation of residential and income producing property, influences on market value, and trends in the appraisal industry.

BUSN222 Real Estate Property Management (3 hours)

This course explores the role and major functions of the property manager. Students will have the opportunity to discuss and review terminology, concepts, and best practices for landlord policies, operational guidelines, leases and lease negotiations, tenant relations, habitability laws and the Fair Housing Act. Topics will include the impact of electronic technology on the industry and fair housing regulations.

Undergraduate Course Descriptions

Psychology

PSYC101 Introduction to Psychology (3 hours)

The course introduces students to the art and science of Psychology. Course emphasis is on applying the "science of human behavior" to a variety of settings: vocational, personal, academic, and clinical. Course content introduces the history of psychology, major theories of personality and learning, current research and developmental issues. The course has a holistic approach and integrates the biological basis of behavior, social factors, learning and the unique coping styles of the individual to understand human behavior.

PSYC102 Professional Careers and Education in Psychology (3 hours)

This course provides an overview of psychology as a profession and academic discipline. It focuses on the broad discipline of psychology and its subspecialty areas within the discipline, career opportunities available in the field and educational requirements for field entry, effective job and graduate program preparation strategies, and practical issues confronting psychologists and professionals in related occupations.

PSYC201 Introduction to Social Psychology (3 hours)

This course introduces students to historical and contemporary theories of social psychology, key theorists' contributions to the field of and practical applications of theoretical concepts in the real world of the individual functioning in group settings. The focus of study includes social judgments and decisions, attitudes and perception, social influence, attraction, aggression, altruism and group pressure and their influences on human behavior, cognition and emotion, along with exposure to the methods of social scientists who study group influence on human behavior in the field.

PSYC221 Personality Theories (3 hours)

This course provides a broad overview of theories of personality. Course content includes psychodynamic, behavioral, cognitive, and humanistic perspectives, and examines contributions of major theorists from each school, key theoretical points from each perspective, critiques of the value (and the limitations) of each theory.

PSYC300 Research Methods in Psychology (3 hours)

This course focuses on laboratory and field research methods applied in the study of human behavior. Course content emphasizes the development of sound methods of hypothesis testing, data interpretation and formal research report writing, the review of empirical, peer-reviewed literature, the critique and interpretation of applied research and the ethical responsibilities and codes of conduct related to psychological research

PSYC303 Learning and Cognition (3 hours)

This course examines basic learning processes within the context of classical, instrumental, and operant learning situations. Course content focuses on classical conditioning, instrumental learning, principles of reinforcement, punishment and avoidance conditioning, stimulus generalization and discrimination, retention and forgetting, nature and functioning of memory, and learning and performance of motor skills.

PSYC304 Perception (3 hours)

This course provides an introduction to the study of how humans organize and interpret stimulation arising from their environments. Course content includes a review of theory, methodology, and research findings. Illustrative case studies will be explored, particularly with regard to disorders of perception.

PSYC305 History and Systems of Psychology (3 hours)

This course examines the major antecedents of modern psychological theories and methodology. Course content focuses on the history of psychology as a field of scientific inquiry, including an overview of development of schools of thought, prominent figures, and key theories. (Prerequisite: PSYC101).

PSYC324 Psychology of Addiction & Substance Abuse (3 hours)

This course focuses on the role of drugs in society, licit and illicit substances, the use and abuse of medical drugs, and the state of the field in terms of prevention and treatment for substance abuse and dependence.

PSYC325 Biopsychology (3 hours)

This course surveys anatomical structures and functioning as the biological bases for human functioning and psychological states. Topics investigated include sensory processing, movement, emotional expression, sleep, learning, memory, language, reproduction and psychopathology

PSYC343 Adult Development (3 hours)

This course is an in-depth study of the developmental processes from the transition to adulthood through old age. Course content examines the ways adults construct meaning, including intellectual, moral, and personality development. Gender and culture are highlighted, and particular emphasis is placed on understanding the influence of context on adult development.

PSYC360 Psychology of Terrorism (3 hours)

This course is an introduction to historic and contemporary terrorist groups and their motives and strategies. The psychological and social impact on individuals, communities and global societies of the achievement of terrorist goals as well as recruitment methods, the influence terrorist groups exert on their members and factors influencing the establishment and dissolution of terrorist groups will be examined.

PSYC406 Psychopathology (3 hours)

This course surveys syndromes of psychopathology, by reviewing etiology, symptomatology, and treatment. Psychological, neurobiological, and genetic approaches to understanding mental disorders are considered. Topics also include depression, anxiety, schizophrenia, personality disorders, memory disorders, and childhood disorders.

PSYC431 Psychology of Disaster (3 hours)

This course focuses on the psychological and physiological human response to natural and man-made disasters. Using clinical research and case histories, students will examine normal and abnormal psychological reactions, the recovery process and principles of mental health care for victims of mass disasters. Differences between natural and man-made disasters are examined and factors that mitigate post-traumatic effects are reviewed. Psychological aspects of Weapons of Mass Destruction (WMD) disasters are also considered.

PSYC432 Psychology of Combat (3 hours)

This course is a study of acute and chronic behavioral response to battle. Students will review, analyze, and evaluate the range of psychological responses to combat, from "normal" reactions to variations of "Combat Stress Reaction." Case studies from combat action will provide material for application and synthesis of the concepts presented in the course. Topics include the U.S. military approach to psychiatric management of combat, POW experiences, mental adaptation for future warfare, and stress associated with other forms of conflict, such as peacekeeping.

PSYC460 Sports Psychology (3 hours)

Students will examine human behavior in a sport and exercise setting. They will understand that enhancing individual performance is a primary objective of sport psychology. Students will learn how to create a psychological skills training program, which incorporates theories of anxiety reduction, imagery training, and self-efficacy. Current theoretical perspectives of personality factors in exercise and sport, why people exercise, what motivates an individual, exercise/sport adherence, stress, anxiety, and arousal, and the psychological effects of exercise and sport will be investigated. Students will learn the key features of effective goal-setting, and apply this understanding to their own professional development.

PSYC490 Independent Study: Psychology (3 hours)

This Independent Study course provides an opportunity for undergraduate Psychology students to examine in depth, and with individualized guidance from a professor, a specific area within the discipline of psychology. The course is open to upper division Psychology majors only. Independent Study course sections are 8-weeks long and run during the University's regular monthly course offering cycles. Completing of this course off cycle or for less than 3 credits is not permitted. No exams are included in the course. Course completion will involve weekly in-classroom engagement with the Independent Study professor, to be

accomplished via asynchronous discussion board engagements, assignment grading feedback and email, and the multi-phased completion of an in-depth peer-reviewed literature review paper with a required minimum length of 20 main body pages and formatted per the editorial requirements of the American Psychological Association (APA), along with the completion of any other supporting assignments to be determined by the professor. Independent Study involves advanced-level student work held to rigorous standards and it should not be attempted merely as a means of earning 3 credits needed to finish up a degree. To be eligible to register for the course, a student must be actively enrolled in the undergraduate Psychology degree program and must have completed 24 hours at APUS toward the degree. Prior to attempting PSYC490 registration, the student must first have identified an Independent Study topic focus of interest, and must have discussed the proposed topic with and obtained a memo of commitment from a professor agreeing to teach the course. The student also must have subsequently obtained approval from the Psychology Program Director prior to any registration attempt. Ample time for meeting these responsibilities must be allowed and attempts to do so should not be made during the final week before the registration period for the target course session closes, as each required step in the process necessitates consultation and review turnaround time. A month of lead time is strongly recommended. Following completion of these responsibilities, the student will be notified that a section of PSYC490 Independent Study has been opened for individual registration. The student must then complete official online registration for the course prior to the ending of the regular course registration period (late registration for this course is not permitted), enter the classroom during Week 1 to connect with his/her professor, review the course syllabus and all other classroom materials, and subsequently complete each week of the course as required by the professor. Pre-requisite: PSYC101 Introduction to Psychology. Available to upper division APUS Psychology majors only. Must have completed 24 hours at APUS toward current degree program. (Prerequisite: PSYC101).

PSYC498 Senior Seminar in Psychology (3 hours)

Senior Seminar in Psychology is the capstone course of the BA in Psychology degree. Students completing this course will investigate career opportunities in the field and professional organizations supporting practitioners in field specialty areas, build knowledge and skills needed for next steps following degree completion for undergraduates applying to graduate school or seeking post-baccalaureate employment, demonstrate an ability to locate and synthesize scholarly published material, and interview a professional in the field. Students must have SENIOR standing and have completed all required psychology degree courses to register for this course.

Undergraduate Course Descriptions

Public Administration

PADM300 Public Management (3 hours)

This course provides a systematic analysis and overview of the management of public organizations. The functions, operations, processes and tools of public management are examined to ensure the student has a broad understanding of the field and its role in American civic life. The overall theme of the course focuses on the need for results oriented management that improves the performance of public organizations.

PADM301 Public Economics (3 hours)

The course introduces the basic principles and application of micro and macro economics in the public sector as government interacts with the private sector. Analysis broadly includes supply and demand, operation of markets, consumer and enterprise behavior, competition and monopoly, income distribution, discrimination, and alternate approaches to ensure social economic well-being. Core principles within the framework of national income, national security planning and objectives, unemployment, inflation, economic growth, depression, prosperity, international economics, economic development, alternative approaches to economics, and current issues and controversies are also examined. The overarching intent of the course is to help students understand public policy issues from an economic perspective.

Undergraduate Course Descriptions

Public Health

PBHE111 Introduction to Health Care Administration (3 hours)

This course presents information and insight that identifies the challenging and overarching issues surrounding Health Care Administration. It carefully examines the broad functions, operations and tools of the field and emphasizes the need for excellence in the management of health services. This course will assist students as they prepare for health services management careers and provides an ongoing program of professional development for those already employed in health professions. The course is divided into three parts: Managing in Health Services Environments, Managerial Tools and Techniques, and Managing Relationships.

PBHE112 Health Services Organization (3 hours)

This course examines Health Service Administration, primarily The Structuring Policies of Federal, State, and Local Organizations. PBHE112 reveals the framework of the United States Healthcare System; the organization and administration of health services; the roles of international, federal, state, and local health organizations; and the barriers to health services delivery.

PBHE209 Wellness: Health Promotion and Disease Prevention (3 hours)

This course introduces students to the wellness concept, which builds the foundation for health literacy and an appreciation for life-long health and physical fitness. The components of wellness will be studied in this class, including physical, intellectual, emotional, social, spiritual, environmental, and occupational, with the goal of promoting and advocating for self-responsibility, health literacy, and a life-long commitment to wellness.

PBHE211 Public Health in America (3 hours)

This course discusses the important role that public health plays in the United States. Students will examine how behavioral, epidemiological, environmental and social factors influence the public's health, and how public health professionals develop appropriate intervention strategies to improve the nation's health. Students will also explore future challenges facing public health professionals in the 21st century.

PBHE315 Health Economics and Finance (3 hours)

This course is designed to provide the student with tools used to express the financial and economic components of the health care industry. The student will develop a vocabulary in addition to gaining knowledge in the use of graphs, charts, tables and reports. The student will utilize these tools to assess past and present analysis as well as projecting future developments.

PBHE361 Moral Issues in Health Care (3 hours)

This course is an examination of moral issues and dilemmas within the health care profession based on associated ethical theories and principles. The course puts special emphasis on patient's rights, social justice of health care, and evolving health care technologies.

PBHE413 Special Operations in Emergency Medical Services (3 hours)

This course deals with the specialized issues associated with emergency medical services—those issues that are not commonplace or part of everyday procedure. Topics include emergency medical services in mass casualty, biological, chemical and radiological incidents. The course also covers unique topics in emergency medical services, to include the employment of services in complex contingencies, such as those faced when fire, police, terrorist, and other emergencies co-exist with the need to provide medical services on-scene and post-disaster.

PBHE426 Quarantine (3 hours)

This course is a study of the theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure. Students will learn quarantine strategy, implementation, effectiveness, and debate. The course topics will include the consideration of quarantine as a health and safety measure in modern homeland security strategy.

PBHE427 Epidemiology (3 hours)

This course provides an introduction to epidemiologic concepts and approaches to population problems in public health. It covers a wide spectrum of topics, to include outbreak investigation, test properties, and study design. The course will provide understanding of disease and disease transmission, rates and proportions associated with different forms of outbreak, and epidemiological risk management methods and measures.

PBHE441 Comparative Public Health Systems (3 hours)

This course examines several countries' public health systems to uncover similarities and differences between and among them. Addressed in this pursuit are the political, economic, service, expense, and other major issues associated with the many different forms that public health takes around the world. Inherent in this course is the discussion of the various public health tradeoffs that are made in all societies based on limited resources and competitive priorities.

PBHE498 Senior Seminar in Public Health (3 hours)

This senior capstone course allows students majoring in public health to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Public Health courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Religion

RELS101 Introduction to the Study of Religion (3 hours)

This introductory course explores the basic nature of religion, both historical and contemporary, and familiarizes the student with a multidisciplinary approach to religious study. Students examine the importance of religious thought and expression, from the viewpoints of both a participant and a critic.

RELS201 Introduction to World Religions (3 hours)

This course introduces the major religions of the world with attention to origin, history, beliefs and practices. The course provides a balanced consideration of both Eastern and Western religions. No force has influenced human life and civilization more than religion; no understanding of human affairs, on an individual scale or a global one, can succeed without comprehending it.

RELS202 Religion in America (3 hours)

This course examines the variety of ways in which religion is found in contemporary American experience. Course content focuses on the changes within traditional historical religions as well as new religious groups which have evolved within American society.

RELS211 Introduction to the Old Testament (3 hours)

This course acquaints students with the content and major themes of the Old Testament and familiarizes them with important contemporary scholarship which helps to illuminate the biblical documents. Course content explores the socio-political and religious forces that shape the thirty nine books of the Old Testament and examines the enduring significance of their diverse messages.

RELS212 Introduction to the New Testament (3 hours)

This course provides a detailed exploration of the historical and religious context, literary styles and theological themes of each of the twenty-seven books of the New Testament, and offers an overview of current New Testament studies.

RELS311 Introduction to the Bible (3 hours)

This course explores the languages, canonization, organization and translation of the Bible. The genres of narrative, poetry, wisdom, law, prophecy, gospels, parables, letters, and apocalypse are analyzed in order to thoughtfully read the Bible without the aid of other reference works. This course is foundational to further Biblical study.

RELS314 Catholicism and the Modern World (3 hours)

This course examines the Catholic Church as a modern institution, to include its political and social influences around the world, its primary leaders, its current doctrine, its organization, and the issues it faces for the future.

RELS321 Black Religion in America (3 hours)

This course examines black religious movements, including the black church, black Jews, and the nation of Islam. Students will trace the history of black religious movements in America by starting with African-American religion as it was originally practiced in Africa, followed by the religion of the slaves, the beginning of the black church movement, and the de-Christianization of the black church by black Jews and by members of the nation of Islam.

RELS330 Religions of the Middle East (3 hours)

This course is a study of the three primary religions whose origins were in and which are still practiced in the Middle East: Judaism, Christianity, and Islam. For each religion, topics include history, culture, beliefs, scriptures and practices. Variations within the religions will be studied in context of their expression in the Middle East. In addition, the relationship of the three in the present day context will be studied, as well the influence of the religions on political and social situations.

RELS350 Hinduism (3 hours)

This course introduces students to Hindu religious life with the primary focus being on the examination of some key concepts (such as dharma, samsara, atman, maya, moksha, artha, monism, and pantheism), along with an attempt to have a firm grasp

of the meaning of religious ideas, symbols, and practices, as related to the participants. Course topics include the disciplines (yogas) of devotion (bhakti), action (karma), knowledge (jnana), ethics, and the major schools of thought.

RELS351 Buddhism (3 hours)

This course is a study of Buddhism's major historical movements and cultural expressions. Students examine the origin and development of the teachings, rituals and institutions of the Buddhist tradition in South Asia since the beginning of the common era to the present day. Course topics include the life and times of Siddhartha Gautama ("the Buddha"); implantation in East Asian societies of the various forms of Buddhism that developed in South Asia; development of new Buddhist "schools" in East Asia; relationships between Buddhism and the other religious traditions in East Asia; relationships between Buddhism and the State; early Buddhist community; popular Buddhist piety and social movements; development of the three main branches of the Buddhist tradition, and the role of women in Buddhism.

RELS352 Muhammad (3 hours)

The course examines the life and experience of Muhammad, the Spokesman of Allah, the Prophet of Allah, the Messenger of Allah, and Prophet of Islam. Course content includes the context of his role in a world religion and world politics and addresses the way Muhammad served as the ideal model for Muslim life, particularly in terms of being the Final Messenger, the Last Prophet.

RELS353 Islam (3 hours)

This course is an introduction to Islam - and its associated civilization - through readings, case studies, projects, and interaction within the classroom. Course content will examine the people and nations that practice this fascinating religion.

RELS405 Myth and Ritual (3 hours)

This course is a study of the role of myth and ritual in historical terms as well as modern myth and ritual developments. Students explore the influence of pervasive myths and rituals in society as they are infused throughout people and religious thought. Students will examine the continued influences of classical, religious and new myths in American popular culture and society today.

RELS411 Religious Existentialism (3 hours)

This course is a study of the set of philosophical ideals that emphasizes the existence of the human being, the lack of meaning and purpose in life, and the solitude of human existence. The course will cover the existentialist philosophy and its leading historical proponents.

RELS412 Religious Fundamentalism (3 hours)

The local and global significance of religious fundamentalism seems to be growing exponentially in recent times, in terms of both media coverage and political influence. This course explores the historical development (i.e., trigger conditions), contemporary expressions, and potential forecast of fundamentalist movements across religious, socio-political and geographical boundaries.

RELS422 The Teachings of Jesus (3 hours)

Jesus Christ has impacted the world unlike any other person in history. Profound and multifaceted, Jesus' life and teachings are explored through the careful study of the history, culture, miracles and teachings presented in the four ancient Gospel accounts of Matthew, Mark, Luke and John.

RELS441 Modern and Contemporary Judaism (3 hours)

This course explores modern and contemporary Judaism. Students examine how Jewish traditions have adapted (or have not) within the context of modern society and study Jewish ideas and beliefs within the context of historical events and cultural trends.

RELS452 Religious Cults (3 hours)

This course examines religious cults that span specific times and religions. Its focus is on the causes of cult formulation, cult leadership, cult purpose, and cult interactions with the outside world. Course content also explores what is meant by the terms "cult," "new religious movement," and "alternative religion," using historical and contemporary examples to illustrate these ideas.

RELS480 Celtic Christianity (3 hours)

This course introduces the student to a unique period in the history and development of Christianity (4th through 9th centuries.) The Celtic lands were influenced by Christianity, yet remained somewhat apart from the mainstream religious views and effects. This course will explore the uniqueness of Celtic Christianity, both then and now, through its many aspects – spirituality, art, symbols, history, archaeology, music, writings, geography, education, influential individuals, saints, etc.

RELS498 Senior Seminar in Religion (3 hours)

This is a capstone course that explores contemporary issues and beliefs in religion and events of particular historical importance to the discipline. Course content includes the integration of a critical analysis of selected sacred scriptures, collection and review of religious adherents' expressions and experiences, and a synthesis of all research into a final written project. This is a capstone course to be taken after all other Religion courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Retail Management

HRMT390 Human Resource Manager Integration Course (3 hours)

This course is only for Walmart Market Human Resource Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of strategic human resource management; human resource development; organizational behavior; ethics; employee and labor relations; communications; talent management; dispute resolution and safety. Competency based assessment of job learning demonstrates that students taking this course have : inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for 10 courses in the subject areas above.

RTMG150 Retail Organization Fundamentals (3 hours)

Students taking this course should not take MGMT201. Students will define the basics of retail management functions, principles and techniques found in today's marketplace. Students will also explore ideal characteristics and responsibilities of an effective department or store manager ranging from legal and safety scenarios to understanding the role and importance of logistics to various retail establishments. Embedded in this study of retail organization fundamentals is a focus on the individual, as a contributor, their roles and responsibilities in the retail environment. While, the organizational structure of a retail store may vary by the size and type of the business, most tasks involved with operating a retail business are similar. Some exceptions that are studied include the reality that small or independent retail stores may combine many sectors together under one division, while larger stores create various divisions for each particular function along with many layers of management. A small specialty shop may have all of its employees under one category called Store Operations. A large department store may have a robust staff consisting of a manager, assistant manager and sales associates for its Sporting Goods department, Home and Garden, Bed and Bath, and each additional department. Students will have the opportunity to explore these variations.

RTMG200 Customer Relations (3 hours)

Students will receive an introduction to customer relations principles including the concepts and practices for delighting customers in ways that lead to effective customer satisfaction. Students will be introduced to the basics of customer relations functions, describe ideal characteristics of good customer relations, and apply them to individuals in both small and large retail organizations. Customer relations is the front line interface between an organization and its constituents. How customers are greeted and treated can influence decisions to do business with a particular retail enterprise. Effective customer relations strategies include effective listening, oral and written communication, analytical and problem solving skills and teamwork based on the organization's commitment to meet customer needs while making customers feel welcome and valued. Customer service in this class is focused on applications and recognition of professional skills and culture required in a retail environment to provide outstanding customer service. Also included will be a discussion of impact that poor customer relations can have on company reputation, retail success and sustainability of customer loyalty. Methods and approaches to addressing problems will be applied including management of conflicts when they occur.

RTMG201 Retail Inventory Management (3 hours)

Retail inventory management is a strategic factor in retail environment success. In this course students review Retail inventory management processes and methods used to keep track of stock. These methods control ordering, shipping, receiving, tracking inventory, retail turn-over, and storage. Retail inventory management is a significant factor in managing a business' profits at a steady margin as well as reducing theft and loss of inventory. Many retail businesses lose money every year because they do not have a successful inventory management system in place. Students will review the following functions for a retail business: Tracking and managing the inventory for the business to keep up with store markdowns; Evaluating how well groups of products perform in sales; Provides analysis for comparison shopping with competitors; Collecting data on the sales and inventory of individual stores using SKU; and Methods to accurately review inventory. Students will distinguish between large and small retail organizations, and variations in inventory management based upon the nature of the inventory (perishable, seasonal, fashion, etc) An analysis of skills, tools, and resources required for effective inventory management will be reviewed as well as strategies

for keeping inventory current and ways to identify and mitigate inventory management challenges and risks in order to support retail organization profitability.

RTMG202 Risk Management (3 hours)

This course enables students to identify, define, and explain risk situations and to develop management concepts, techniques and processes and understand from a company perspective the impact of safety and compliance policies. To understand risk management students will examine risk management origins and trends from an insurance perspective in retail and develop skills in interpreting the impact that unresolved risk management issues can have on compliance, safety and the bottom line. Risk management is about insurance and developing policies to mitigate risk. This strategic focus and its application are covered in this class.

RTMG203 Commercial Safety (3 hours)

Students will define the commercial safety environment and extrapolate various trends in commercial safety, to include strategies and characteristics of a safe work environment, and ways to mitigate potential safety risks. Students will review and analyze case studies and scenarios about employee safety policies and practices and examine the manager's role to drive safety compliance in order to sustain brand image. In addition, they will examine team safety training and understand practices that emphasize the importance of individual compliance. Students will identify how to establish a corporate safety structure and define and explain the characteristics of an effective commercial safety training system. Finally an examination of best practices to protect employees and to drive continuous improvement in safety practices will be conducted by students.

RTMG204 Finance Fundamentals (3 hours)

During this course, students will develop a basic vocabulary and application of finance functions and principles. Students will describe the importance of knowing retail based calculations such as retail pricing, markup, and gross profit. They will relate the concepts of retail math (initial margin, markdown, shrinkage, gross profit dollars and percents) to finance and to the overall business success of the retail enterprise. They will define and apply ending inventory, retail cost, cost compliment, net profit, net sales, controllable expense, and non-controllable expense. Students will examine how retail finance can be applied to products and services in a wide variety of situations and how to review a project and evaluate the financial situation.

RTMG220 Retail Asset Protection (3 hours)

This course is an overview of the principles and issues in business asset protection. Students examine the challenges embodied in various aspects of physical, personnel, and information security. Principles of loss prevention and the protection of assets are also considered. The functions, operations, processes, and tools of security management are explored to ensure the student has a broad understanding of asset protection and its current role in business operations

RTMG221 Retail Photo Operations (3 hours)

Students will define the basics of retail photo operations, principles and techniques found in today's marketplace. Students will learn how to present the photo department to customers as well as the details of the supporting photo center operations. Students will learn the current types of photographic equipment, how to maintain inventory and account for financial transactions. In addition, students will learn what advanced techniques are now available and be able to distinguish the differences from older film products. While the organizational structure of a retail store photo operation may vary by the size and type of the business, most tasks involved with operating a retail photo center are similar. Comparisons will be made to the advantages of a small specialty shop versus a department a in large retail operation. Students will have the opportunity to explore these variations.

RTMG295 Retail Management Seminar (3 hours)

This course is a culminating course for the Associate of Arts in Retail Management. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Retail Management. The student will complete an approved academic project or paper that demonstrates a grasp of management study. This is a culminating course to be taken after all other Associate of Arts in Retail Management courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. This course is to be taken the LAST course in the A.A. in Management program.

RTMG300 Retail Strategy (3 hours)

Students in this course will use analytical techniques for diagnosing the competitive position of retail focused strategy and to discover specific retail options. They will discover the strategic perspectives of retail management by examining essential concepts in the retailing industry, determining and calculating how retail businesses increase returns, and determining ways they create economic value for owners and stakeholders. Students will contrast how today's managers assess and implement strategies and apply planning used by successful retailers. They will explore the retailer's role in society providing insights as to how consumers behave as shoppers, what retailers do to create demand as well as their role in satisfying customer demands. In addition, students will discuss strategy from the perspective of planning for success as well as identifying challenges and problems that occur when retailers do not react to rapid changes in the marketplace to remain competitive and meet the ever-changing demands of the consumer.

RTMG301 Retail Innovation (3 hours)

Retail innovation is a new or significantly improved service concept that is taken into practice. It includes examples such as: new customer interaction channels, a distribution system or a technological concept or a combination of them. A service innovation always includes replicable elements that can be identified and systematically reproduced in other cases or environments. The replicable element can be the service outcome or the service process as such or a part of them. Innovation benefits both the service producer and customers and it improves its developer's competitive edge. Retail innovation is a service product or service process that is based on some technology or systematic method. In retail however, the innovation does not necessarily relate to the novelty of the technology itself but the innovation often lies in the non-technological areas. Retail innovations can for instance be new solutions in the customer interface, new distribution methods, novel applications of technology in the service process, new forms of operation with the supply chain or new ways to organize and manage services. The course provides a study of how retailers must continually review and introduce innovational concepts to remain competitive and explore how patterns change in markets creating both opportunities and threats to retailers.

RTMG302 Retail Operations (3 hours)

Retail Operations involves managing the day-to-day functions of retail establishments like department stores, grocery stores and specialty shops. This course is concerned with the formulation and analysis of these operations and the policies that collectively determine how a retail oriented business positions itself to increase its returns and create economic value for its owners and stakeholders. Students will be introduced to analytical techniques for diagnosing the competitive position of retail focused strategy, and identifying and analyzing specific retail operation options (consisting of such things as the sale of goods or merchandise from a fixed location, a department store or kiosk, or by post, in small or individual lots for direct consumption by the purchaser. Students will cover the functions and applications of various retail operations theory and the needs of today's managers in assessing and implementing retail operations used in the supporting functions in the workplace.

RTMG303 Retail Merchandising Operations (3 hours)

Students in this course will review retail merchandising operations Retail selling effort is the principal task of in-store sales personnel through the use of promotions designed by a manufacturer, such as unique displays, giveaways, or discount and premium offers. In this case, merchandising is the act of managing and arranging the merchandise on display in a store so as to promote its sale. Its importance in a competitive market to include the relationship between retail merchandising operations and corporate profitability will be examined. Students will discover the various retail merchandising operations including planning, organizing, staffing, directing, leading and controlling as well as analyzing the competitive market and how the many different concepts of retail merchandising operations are needed for today's managers to continue to increase profits for their shareholders. Students will discover how today's competitive and global organizations utilize techniques and resources to succeed and remain profitable.

RTMG390 WalMart Facility Manager Integration Seminar (3 hours)

This course is only for Walmart Store Managers, Walmart Market Managers or Sam's Club Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; ethics; communication; strategic management; retail strategy, operations and merchandising; consumer behavior; talent management and risk management. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer

credit for the designated courses for their position in the subject areas above.

RTMG391 WalMart Buyer Integration Seminar (3 hours)

This 16 week course is only for Walmart Buyer's or Sam's Club Buyer's either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; communication; strategic management; retail strategy; consumer behavior; retail operations; retail merchandising operations' customer relations and finance fundamentals. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG395 Sam's Club Assistant Manager Integration Seminar (3 hours)

This 16-week course is only for Sam's Club Assistant Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of food service sanitation; human resource management; management communications; retail organization fundamentals; customer relations; retail operations; and retail merchandising operations. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG396 WalMart Hourly Supervisor Integration Seminar (3 hours)

This course is only for Walmart Department Managers/Merchandise Supervisors (all sub categories), Walmart Zone Merchandise Supervisors, Walmart Photo Supervisors/Department Managers or Sam's Club Hourly Supervisor (Team Lead) either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of retail organization fundamentals, customer relations, retail inventory management, commercial safety and finance fundamentals. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG495 Senior Seminar in Retail Management (3 hours)

This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Retail Management. The student will complete an approved academic project or paper that demonstrates mastery of retail management studies. This is a capstone course to be taken after all other core courses have been satisfactorily completed. Student must have SENIOR standing to register.

RTMG499 Independent Study Retail Management (3 hours)

This course is an opportunity for Retail Management students to pursue an independent research project or examine a specific area of Retail Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper, and complete a series of smaller papers. There will be no examination. Students will submit a proposal prior to the start of the project.

SCMT395 WalMart and Sam's Asset Protection Manager's Integration Course (3 hours)

This course is open only to Walmart or Sam's Club market asset protection managers either currently serving or those having served in the past as validated on the Career Portfolio. This course is designed to integrate theories, best practices, case studies with practical application in the areas of human relations, public speaking, security issues and administration, physical security, crime analysis, commercial safety, talent management and risk management. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and will include specific required readings. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

TLMT390 Walmart Logistics General Manager Integration Seminar (3 hours)

This course is only for Walmart Logistics General Managers and Assistant General Managers either those currently serving or those who have served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the subject areas of public speaking; communication; logistics management and operations with a business focus, human resource management, safety, finance, and asset protection. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for 10 courses in the subject areas above

TLMT395 Walmart General Transportation Manager Integration Seminar (3 hours)

This 16-week course is only for Walmart Logistics General Transportation Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; emergency and disaster incident management; human resource fundamentals and management; management communications; commercial safety; finance fundamentals; logistics management; distribution systems; and logistics management and operations. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above

Undergraduate Course Descriptions

Reverse Logistics Management

RLMT301 Introduction to Reverse Logistics Management (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's wide range of practices in reverse logistics applications in manufacturing, retail and in the military. It includes the many definitions related to reverse logistics, the different scope, practices, procedures and processes of reverse logistics as compared to forward logistics. It explores the various dilemmas practitioners face in designing a reverse logistics system. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT302 Environmental Issues in Reverse Logistics (3 hours)

This course provides students with an overview of sustainment of materials recovered from waste management programs. Students will study environmental regulations and their impact on company's plans to dispose of unused or waste materials into landfills or recycling programs. Students will gain a perspective on how reverse logistics can work to improve the environment to help increase the value of the company's products, and increase revenue in the process. The student will evaluate the direct and indirect impact of reverse logistics operations and the impact on the local and regional and world environment. The "green" movement will be explored as a competitive advantage. The student will study various recycling processes for various products, from automotive to clothing to food and beverages.

RLMT303 Technology in Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore how tracking and tracing technology, such as GPS, bar codes and Radio Frequency Identification (RFID) tags can be used in reverse logistics operations for returns, recalls, recycling and waste management. Case studies of today's best practices in reverse logistics technology used in manufacturing, retail and in the military will be studied and discussed. Packaging technology and the growth of new types of packages to reduce waste will be examined. A comparison will be conducted on how different technology is used in processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships regarding the use of technology to capture data for products flowing in the reverse logistics system. Data synchronization and the issues of interfacing legacy software systems or information technology systems will be explored. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT304 Reverse Logistics Policies and Procedures (3 hours)

This course demonstrates the 21st century importance of strategic reverse logistics planning in contributing to corporate profits, customer service enhancements leading to higher sales and a marketing weapon to gain sustainable competitive advantage. The importance of moving information becomes equal to the movement of goods but is different when working in forward logistics compared to reverse logistics operations. Federal and state regulations regarding waste management and the handling of recycled materials will be examined. Managerial perspectives are offered on aligning corporate planning, technology, financial controls and reverse logistics performance measurement. Students will also gain an overview on the interaction among stakeholders in the public and private sectors in aligning public policy with global uncertainties when implementing reverse logistics operations.

RLMT305 Cost and Benefit Analysis of Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore the financial management components needed to develop best practices in reverse logistics applications in manufacturing, retail and in the military. A systems view of total life cycle cost will be calculated and compared to the benefits or value added by incorporating a reverse logistics process to manufacturing and retail operations. Students will analyze a potential reverse logistics case study to determine the short and long term financial implications to the company and to the environment. The student will examine how to define the problem and the core

assumptions that define the problem space. This course is intended for students and professionals working in an organization that uses or is considering using reverse logistics.

RLMT306 Green Logistics Programs and Issues (3 hours)

This course provides students with an understanding of sustainability and environmental issues and programs for today's logistics and supply chain manager. Students will examine recycling activities of several corporations and examine "green" technology initiatives from using energy-efficient lighting to using wind and solar power. Legislation and regulations will be examined and discussed that place boundaries on greenhouse gases in manufacturing and in retail operations. International impacts on U.S. policies and programs, such as Cap-and-Trade will be examined in relationship to similar programs in other countries. The definition and potential impact of global climate change will be discussed. The student will examine how different manufacturing and distribution companies are complying or not with the Carbon Footprint concerns.

RLMT307 Food and Beverage Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications to the food production and distribution industry as well as the beverage industry. The student will study new container and packaging designs, such as the TEDSBOX, to help eliminate the spoilage factor of food and beverage movement in a reverse logistics operation. The issue of food and beverage is complex with many solutions from retail grocery giants. How to process returned food and beverage items will be explored and options discussed. Field survey of a grocery store or commissary near the student will be encouraged in order to obtain the unique language used in each type of retail store. Recycled food and beverage items will be examined in order to reprocess basic ingredients, such as sugar, to be resold in the marketplace next to virgin sugar. This course is intended for students and professionals working in manufacturing and retail reverse logistic who are concerned with returns and unsalable products.

RLMT308 Consumer Electronics Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications to consumer electronic (e.g., cell phones, TVs, iPad, laptops, etc.) production and distribution industry. The issue of e-waste will be explored as part of the environmental impact on people. Case studies of e-waste will be discussed along with policies and procedures for curbing environmental impacts. The issue of consumer electronic returns and recycling is complex with many solutions from major computer manufacturers and retailers. How to process returned consumer electronic items will be explored and options discussed. Recycled electronic parts such as precious metals will be examined in order to reprocess these basic components, such as computer chips or special wiring, to be resold in the marketplace next to original raw or processed materials. This course is intended for students and professionals working in manufacturing and retail reverse logistics, and policy makers, who are concerned with returns and consumer electronic products.

RLMT309 Reverse Logistics Management and Operations (3 hours)

This course provides students with an overview of today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of adding a reverse logistics operations center to a forward logistics supply chain. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. Case studies of Central Returns Centers are examined and core assumptions derived to help define the steps to follow in setting up a Central Returns Center. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT310 Hazardous Materials Handling in Reverse Logistics (3 hours)

This course focuses on the organizational use of hazardous materials, including, the Environmental, Health and Safety (EHS) impact of their use on the organization engaged in reverse logistics operations, such as waste management, recycling and returns management. Issues raised include the overall economic, social and environmental costs of chemical and electronic parts usage. Emphasis is on actively reducing chemical use, chemical wastes and toxic metals from consumer electronic equipment. A set of industrial applications will be used as an informal standard to create a working model adaptable to any organizational entity considering reverse operations. Full life cycle management is emphasized and the relationship between daily operations and compliance training will be examined for a reverse logistics operation. This course is also a study of the managerial and social

issues associated with hazardous materials consumption as a result of returns, recycling and waste management of products.

RLMT311 Reverse Logistics Economics (3 hours)

This course provides the student with a coherent and integrated framework for understanding aggregate reverse logistics activity, based on micro and macro-economic principles. The student is presented examples and case studies to examine reverse logistics activities in the United States. Students will discuss and provide their own evaluation of key variables, including patterns of demand, to be considered in generating or creating reverse logistics value and costs. Overall, this course balances traditional transportation and logistics economics theory with real-world reverse logistics demands. Topics that are discussed and analyzed include reverse logistics regulations, tariffs on moving goods across borders, the impact of interstate commercial policy on past and emerging reverse movement of goods and services policies, international trade barriers and benefits, reverse logistics impact on exchange rates, and how to view investment strategies that impact customer service in manufacturing and retail industries.

RLMT400 Recalls Best Practices and Issues (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in product recalls in manufacturing and retail. There appears to be no one standard set of practices or steps to follow for recalls. Each time a recall is voluntary or is issued by a company or the government, different procedures seem to be followed. This course will examine case studies of recalls from the food and beverage industry, consumer electronics, automotive, toys, and home appliances and furniture. The student will examine these cases to discover a set of procedures or steps that are common and those that are unique. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT401 Reverse Logistics Data and Security Resilience (3 hours)

This course provides students with a data-centric view to explore what is seen as today's best practices in capturing and securing reverse logistics data. Students will study why there is a need to manage excess inventory, why outsourcing this process may be profitable, how and why to access secondary markets for products, and how best to record and track the data for returns. The student will study methods of preventing products from entering the reverse logistics chain and one method of managing such a process. However, when the product does enter the reverse logistics process, the data capture at the entry point and along that chain become an expense if not properly managed and synchronized with data from the forward supply chain. The student will examine the role of 3PL in reverse logistics, the impact of distressed and fake merchandise, and how they contribute to the triple bottom line of the company. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics. This course is intended for students and professionals working in returns logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT402 International Reverse Logistics (3 hours)

This course is a case study approach to understanding how reverse logistics is implemented in the U.S., Europe, South America and Asia. Each geographic area will be explored following one type of product. The student will explore and discover the different cultural, economic , political and procedural barriers that are common, from internal and external company factors. Transaction cost economics will be used to define the different approaches used by these countries. Problems encountered in each country as reverse logistics applications are implemented will be discussed. Students will learn how reverse logistics concepts are viewed in different countries.

RLMT495 Senior Seminar in Reverse Logistics Management (3 hours)

This course allows students majoring in Reverse Logistics Management (RLM) to analyze specific issues of defining the various components of reverse logistics operations both domestically and internationally. This course will provide students with the opportunity to complete an approved academic research project that demonstrates knowledge of a selected applications area in reverse logistics management. The project, chosen on a specific topic, will be completed by each student in the course.

Undergraduate Course Descriptions

Science

BIOL133 General Biology I with Lab (4 hours)

This course provides a foundational basis for the study of basic biology. It is the first in a two-part biology series that is designed for students who intend to complete a degree that requires a major's level biology course. Topics in this course include an introduction to the molecular basis of life, biology of the cell, genetic and molecular biology, evolution and diversity of life on Earth. The laboratory portion of this course will include hands-on as well as virtual laboratories that complement the topics and concepts covered in the lecture component.

BIOL134 General Biology II with Lab (4 hours)

This course is the second in a two part biology series that is designed for students who intend to complete a degree that requires a majors--level biology course. Topics included in this course diversity of life on Earth, plant form and function, animal form and function, and ecology and behavior. The laboratory portion of this course will include hands--on as well as virtual laboratories that complement the topics and concepts covered in the lecture component. Prerequisite: BIOL133 General Biology I with lab.

BIOL240 Elements of Biological Chemistry (3 hours)

This course introduces students to the fundamental principles associated with the structure and function of the macromolecules that sustain living systems. The course will begin with a general introduction to organic chemistry including the molecules and functional groups that set this category of chemistry apart from the others. Topics will then move on to more specific molecules such as carbohydrates, lipids, proteins and nucleic acids along with the cellular processes involved in building and metabolizing these macromolecules. Additional details regarding biology at the cellular and molecular level will include topics such as nutrition, body fluids, pH and cellular respiration. Prerequisite: CHEM134 and BIOL134.

BIOL241 Cell Biology (3 hours)

This cell biology course will provide a detailed understanding of the fundamental processes of cellular functions. The course will include aspects of prokaryotic and eukaryotic cells as both often share similar mechanisms. In the first half of the course, the focus is on the macro--level with an exploration of basic cell characteristics, cellular membranes, cellular respiration and how cells interact with the environment. In the second half of the course, the focus is on genetics with a look at chromosomes, genes, gene expression, how cell accomplish DNA replication, repair errors that can result in DNA, how cells reproduce, how cells communicate, and finally we will explore the relationship between cancer and the immune system at the cellular level. Prerequisite: BIOL134, CHEM134

BIOL250 Human Anatomy and Physiology with Lab I (4 hours)

This is the first of a two-course sequence in human anatomy & physiology. This intensive course is intended to prepare students for careers in the health sciences (sports medicine, physical therapy, EMS, nursing, physician assistant, etc.). Lessons and laboratory exercises focus on the organization of the human body, homeostasis, basic chemistry, cell biology, genetics and heredity, and the integumentary, musculoskeletal, and nervous systems. This course includes a hands-on laboratory component, and students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens through both BIOL250 and BIOL251. Refrigerated storage is not required. In addition, students must be able to document their laboratory work using still pictures and/or video. Enrollment in this course is limited to students in the Bachelor of Science in Sports & Health Sciences degree program or with the approval of the Science Program Director. This is a time and resource-intensive course, therefore students seeking approval to take the course must confirm their intent to pursue a career in the health sciences and verify this course will meet the needs of their intended program prior to enrollment. Students must complete SCIN131 or CHEM233 with a grade of C or better prior to enrolling in BIOL250.

BIOL251 Human Anatomy and Physiology with Lab II (4 hours)

This is the second of a two-course sequence in human anatomy & physiology. This intensive course is intended to prepare students for careers in the health sciences (sports medicine, physical therapy, EMS, nursing, physician assistant, etc.). Lessons and laboratory exercises focus on homeostasis, metabolism, acid-base balance, growth and development, and the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems. Students are also required to successfully complete a cumulative assessment of anatomy & physiology objectives from both BIOL250 and BIOL251. Students must complete BIOL250 with a grade of C or better prior to enrolling in BIOL251. This course includes a hands-on laboratory component, and students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens through both BIOL250 and BIOL251. Refrigerated storage is not required. In addition, students must be able to document their laboratory work using still pictures and/or video.

BIOL301 Molecular Biology (3 hours)

This molecular biology course will provide a detailed understanding of the structure, function, and regulation of DNA, RNA and proteins. The first half of the course will focus on the basic biochemical properties of DNA, RNA and proteins to establish and understanding of how these molecules function. The second half of the course will focus on transcription, translation, and regulation of these processes and finally the real-world application of molecular biology. Prerequisite: BIOL134, SCIN211

BIOL322 Developmental Biology (3 hours)

Developmental biology describes the transformation of a fertilized egg into a complex, multicellular organism. This course focuses on the genetic, cellular, and morphological pathways necessary for the embryonic and postnatal development of select invertebrates (roundworm, insects) and vertebrates (amphibians, fish, chicks, and mammals). The various experimental techniques used to study embryonic development will also be explored. Additional topics include metamorphosis, regeneration, aging, cancer, and the role of development in evolution. Online tools will be utilized to help illustrate dynamic concepts and enhance understanding. This course is an in--depth review of complex biological topics, and is designed for students concentrating in the natural sciences. Prerequisites: SCIN211, BIOL241

BIOL342 Evolutionary Biology with Lab (4 hours)

The goal of this course is to examine the fundamental concepts of evolutionary theory. This course will include a survey of historic and current scientific methods and data in the study of biological evolution. Topics include natural selection, genetic drift, adaptation, sexual selection, speciation, and coevolution. Applications of evolution to current global issues and problems will be demonstrated. Students will use discussions, assignments, readings, and projects to illustrate evolutionary concepts. Prerequisites: BIOL134, SCIN211

CHEM133 General Chemistry I with Lab (4 hours)

This is the first course of a two part general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. Topics are both descriptive and mathematical and include matter, measurement and problem solving, atomic theory and structure, the periodic table, nomenclature, physical properties of gases, liquids, and solids, molecular bonding and geometry, stoichiometry, thermochemistry, types of chemical reactions, and solution chemistry. The laboratory component of this course is designed for students in the sciences to learn how to make qualitative and quantitative observations about physical and chemical phenomena, to make calculations, and to test their own reasoning. Students will acquire skills in laboratory techniques designed to help reinforce and build upon the concepts presented in the lecture portion of the class. In order to be successful in this course, it is recommended that students will have completed high school chemistry or a basic college equivalent, and be comfortable with basic algebra, including manipulation of equations.

CHEM134 General Chemistry II with Lab (4 hours)

This is the second course of a two part general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. Topics are both descriptive and mathematical and include solution chemistry, chemical kinetics, chemical equilibrium, acids and bases, aqueous ionic equilibrium, free energy, thermodynamics, electrochemistry, radioactivity, and nuclear chemistry. The laboratory component of this course is designed for students in the sciences to learn how to make qualitative and quantitative observations about physical and chemical phenomena, make calculations, generate

their own data, and to test their own reasoning. Students will acquire skills in laboratory techniques designed to help reinforce and build upon the concepts presented in the lecture portion of the class. In order to be successful in this course, students must have successfully completed CHEM 133 General Chemistry I with Lab or equivalent. Prerequisite: CHEM133

ERSC204 Earth System History (3 hours)

Earth System History explores the amazing history of our planet. Many astonishing events of the geologic past, and the science behind how they came to be understood are examined. The Earth and its inhabitants have undergone continuous change during the last 4.56 billion years. These changes are investigated using an integrated approach that considers the inter--relationships between the solid Earth, atmosphere, hydrosphere, and biosphere. Thus, students learn how our planet became a place where life began and continued to flourish; how change has dominated Earth history; and how continuing changes to Earth's subsystems may challenge us in the future. Prerequisite: SCIN138

ERSC206 Weather and Climate (3 hours)

This course will provide an introduction to meteorology and climate for scientists. We will explore the basics of Earth system, atmospheric thermodynamics, atmospheric chemistry, cloud physics, atmospheric boundary layer and radiative transfer. The background from these topics will provide the foundations to discuss climate change and climate dynamics. We will examine current research on the areas of climate change research to learn about the current state of climate change. Prerequisites: SCIN234 or PHYS134, and MATH226

ERSC301 Hydrology (3 hours)

Physical principles governing occurrence and movement of water, including precipitation, evaporation and transpiration, runoff, infiltration, soil water movement, and stream channel morphology. Prerequisite: GEOG103.

ERSC302 Geomorphology (3 hours)

Description: Geomorphology is the study of the physical features of the Earth's crust. The study of geomorphology helps us understand not only about the earth as it is today, but also as it may have been in the past. Climate change and global warming are hot issues in current events these days, but how do scientists determine the climate is actually changing? Through observation of what we see today, and comparison to what we "see" in the past. This allows us to determine if the climate of the earth has always been like it is today or whether it's changed over time. With that knowledge we can predict how the climate might change (or not) in the future. If global warming and cooling has happened before, then it might happen again. One way to determine past climatic conditions is to study the landscape. What types of landforms are associated with different climatic conditions? The Midwest used to be the bottom of a vast shallow sea; the northern part of our continent was sculpted by glaciers that no longer exist. Understanding geomorphology, gives us insight to the landforms we see today that are the result of processes no longer at work on the landscape. Prerequisite: SCIN138

ERSC303 Conservation of Natural Resources (3 hours)

This course examines the ways in which modern economies use and conserve natural resources, and how the use of those resources impacts the environment. Resources are defined not just by their physical properties. They are, in part culturally defined. This necessitates investigating how cultures conceptualize resources, how economies value resources and what political and social institutions have been created to manage resource use. The extraction and use of resources has consequences for societies and their physical environment. This course explores these consequences through a survey of the major categories of resources and the issues associated with their extraction, use and conservation. It also examines the prospects for establishing more sustainable resource management.

ERSC305 Ocean and Atmospheric Dynamics (3 hours)

This course will explore the fluid mechanical principles guiding the atmosphere and ocean on a global scale. We will examine the inherit variables in the equations of motion, hydrostatic equations, and balanced flow principles. An examination of the atmospheric general circulation will be discussed including vertical and horizontal structure of temperature, pressure and density as well as a discussion on the dynamics of convection. Ocean dynamics will be discussed including the air--ocean interaction, thermohaline circulation and ocean heat budget and transport. Prerequisite: SCIN234 or PHYS134, and MATH226

ERSC401 Natural Hazards and Society (3 hours)

The purpose of this course is to introduce the student to the complex relationships between natural hazards and society. The course addresses geographic research methodologies, concepts of vulnerability, resilience and adaptation, as well as the role of social organization and risk communication. Case studies are used to relate concepts to students, and the course concludes with student assessments of the future of hazard adaption. Examples and case studies are taken from international and U.S. experiences, with a specific focus on how societies adjust to natural hazards. Prerequisites: GEOG103, ERSC206, and ERSC302

GEOG101 Introduction to Geography (3 hours)

This course is a basic overview of the Geographer's study of the location and distribution of features on the Earth's surface. These features are both natural and man-made, both physically and culturally determined. The relationship of people and place is central to an understanding of human history, contemporary events, and possible global futures. As an introductory course it covers the whole globe and all its greatest geographic features and relationships. This dictates that the approach is broad and not too deep. However, knowledge of the Geographer's art will enable students to delve as deeply as their interest and energy will allow, into the dynamic spatial realities that surround them.

GEOG103 Physical Geography (3 hours)

Physical Geography includes the study of processes of the atmosphere, hydrosphere, lithosphere and biosphere. Specific topics include maps and map reading, temperature cycles, storms formation, plate tectonic theory, structures of volcanoes, flooding, coastline formation, glaciations, ice ages, and the distribution of plants and animals on the planet. This course is an excellent choice for anyone with interest in environmental studies, natural hazards and the science behind earth processes.

GEOG200 Fundamentals of Geographic Information Systems I (3 hours)

The term "Geographic Information System" refers to the synthesis of information (data), software, and hardware for the express purpose of better understanding the world in which we live. Data are collected and managed within this system, and are ultimately used to question, analyze, and interpret patterns that occur throughout physical space. The interaction between different types of data reveal patterns and relationships that are not otherwise readily detectable. This course will provide students with the theoretical concepts necessary for advancement in the field of GIS, and further enhance their experience in a wide range of multidisciplinary endeavors.

GEOG201 Fundamentals of Geographic Information Systems II (3 hours)

This course builds upon principles covered in Fundamentals of GIS I and will provide students an emphasis of hands-on Geographic Information Systems (GIS) experience while solidifying the foundation of the concepts learned in Fundamentals of GIS I. The objectives of this course are to begin establishing a solid foundation in the operation of GIS systems and to teach organizational skills needed for successful GIS project management. Overall this course prepares the student for learning beginning and intermediate functional applications of GIS as well as spatial data analysis.

GEOG307 Modern Military Geography (3 hours)

Warfare is inherently spatial in nature. People strive for the control of places using military art and science. The geographer's study of the location and distribution of features on the Earth's surface is central to this endeavor. These features are both natural and man-made, both physically and culturally determined. The effects of geographic factors on the planning, preparation, and conduct of military operations are the focus of this course.

PHYS133 Elements of Physics I with Lab (4 hours)

This fundamental Physics course is the first of two courses that examine basic Physics using algebraic techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and thermodynamics. The course involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lectures. Prerequisite: MATH110

PHYS134 Elements of Physics II with Lab (4 hours)

This fundamental physics course is the second of two courses that examine basic physics using algebraic techniques. The course covers electric forces and fields, electric currents and circuits, magnetic forces and fields, electromagnetic induction, alternating current, electromagnetic waves, reflection and refraction of light, optical instruments, interference and diffraction, and an introduction to quantum and particle physics. Prerequisite: PHYS133

SCIN130 Introduction to Biology with Lab (4 hours)

This course introduces students to the biological systems within their associated environments. The course furnishes an understanding of biological principles and the properties of life. Topics covered in this course include the structure and function of plants and animals, cell biology principles, genetics, reproduction, development and growth, biological diversity, principles of evolution, and interactions among organisms and with their environment. Online laboratory experiences are incorporated, which are designed to correspond to, complement, and reinforce the concepts presented in the assigned reading material. The lab involves study through interactive simulations, videos, and animations, which will be provided to the student in the form of exercises provided throughout the semester.

SCIN131 Introduction to Chemistry with Lab (4 hours)

This course introduces students to the principles of basic chemistry, the terminology, methodology and worldview of chemistry, and the practical application to everyday living. Topics are both descriptive and mathematical and include acids and bases, atomic structure, chemical equations and reactions, chemical language and nomenclature, gases, molecular structure, solution chemistry, chemical mathematics, organic chemistry, and biochemistry. The chemistry lab is designed for students to learn how to make qualitative and quantitative observations about physical and chemical phenomena, to make calculations, and to test their own reasoning. Students will acquire skills in laboratory techniques and thought processes through interactive virtual laboratories designed to help reinforce and build upon the concepts presented in the lecture portion of the class.

SCIN132 Introduction to Human Anatomy & Physiology with Lab (4 hours)

This course introduces students to the fundamental principles associated with the structure and function of the human body. The course will begin with a general introduction to anatomy and physiology, an overview of organic chemistry, and a study of cellular and tissue structure and function and then move on to survey each of the following 11 organ systems of the human body: integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive. Online laboratory experiences and exercises are incorporated, which will provide the student with a deeper and practical understanding of the basic principles of human anatomy and physiology by using laboratory simulation software.

SCIN133 Introduction to Physics with Lab (4 hours)

This course offers an introduction to classical physics for non-scientists. Students will learn to apply Newtonian principles to the fundamental topics of motion, gravitation, momentum, work and energy, heat, wave behavior, sound and light, electricity and magnetism. Basic algebra is used to demonstrate how mathematics can describe and predict the real-world behavior of objects, from electrons to planets. Students will be expected to relate physics principles to their daily lives. The Physics lab teaches students how to take measurements and make observations about physical phenomena, make calculations, and test out their own reasoning. Topics covered in this lab course range from motion to magnetism. This course also involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lecture portion of the course.

SCIN134 Introduction to Astronomy with Lab (4 hours)

This course will introduce students to the wonders of the universe. Topics will include deciphering the motions of objects in the sky, learning how astronomers decode the light coming to us from distant objects, exploring the Earth and other bodies in our solar system, and investigating the properties and structure of stars, galaxies, and the universe itself. Students will be encouraged to develop conceptual understanding of these topics beyond memorization of facts. In the laboratory component, students will engage in astronomical inquiry using online tools to learn how astronomers work: by asking research questions, collecting data, and defending evidence-based conclusions. While the course is conceptual in nature, students should expect to use some mathematics. Completion of at least college algebra prior to taking this course is highly recommended.

SCIN135 Introduction to Forestry with Lab (4 hours)

This course will examine basic forestry definitions, historical factors in U.S. forest history, forest flora and fauna, forest management, the relationship between forest resources and human uses, and case studies. The Forestry lab provides students with hands-on application of forestry principles with or without having access to forest resources. The course will involve learning techniques for measuring forest resources; identification procedures for soils, trees and climate; and research techniques of current forestry concerns, such as urban forestry and deforestation. If the student has access to forested areas, he or she will be

able to conduct research in the field; however, if the student is located in a non-forested area, all necessary data will be available online.

SCIN136 Introduction to Oceanography with Lab (4 hours)

This course covers the principles of oceanography for students who are non-scientists. It introduces oceanographic terminology, research methodology, and the major concepts of physical, geological, chemical, and biological oceanographic systems. Students will become familiar with the scientific method and specific aspects of the ocean by focusing on problems involving, for example, icebergs, acoustics, pollution, fisheries, ship routing, and offshore minerals exploration. Laboratory exercises based on real-world data allow the student to apply oceanographic principles to real-world questions or problems, and to practice data visualization, data analysis, multimedia integration, technology literacy, and transferable technology skills.

SCIN137 Introduction to Meteorology with Lab (4 hours)

Introduction to Meteorology covers the fundamental principles governing the behavior of our atmosphere and the duties and methods of the professional meteorologist. Students will gain insight into the exciting discipline of meteorology, discussing topics such as cloud formation, movement in the atmosphere, thunderstorms, tornadoes, meteorological satellites, and climate change. The Meteorology laboratory will take the student deeper into the aspects of our weather through the study and exploration of our atmosphere via online interactive modules prepared by professional meteorologists. Topics to be discussed range from hurricane formation and the impacts of extreme weather to forecasting local weather and toxic pollution. The online laboratory modules increase the student's awareness of our planet through hands-on activities.

SCIN138 Introduction to Physical Geology with Lab (4 hours)

Geology encompasses the study of our planet, and students in this course will explore: how it formed, the nature of its interior, the materials of which it is composed, landforms, earthquakes and volcanoes, geologic resources, and geologic history. Current events that students learn about in the news, ranging from volcanic eruptions, earthquakes, landslides, and more will fit into a larger picture of how Earth works and why such things happen. The Geology lab provides students with a laboratory manual, 36 rock and mineral samples, a topographic map, and other tools to give students a hands-on opportunity to explore geologic concepts covered in the lecture portion of the course as well as virtual field trips related to the geologic sciences.

SCIN139 Introduction to Human Ecology with Lab (4 hours)

This course is an introduction to the terminology, methodology, and general topics of human ecology. It provides a survey of the linkages between human populations and the ecological and environmental niches in which we live. Course material will center on core human ecological elements of diet, disease, demography, and development. Specific topical material will include ecological concepts, demographics, population growth, fertility rates, food energy, health, and diseases. Investigations are framed within the framework of human-environment interactions. The Human Ecology lab provides students with hands-on application of basic human ecological research principles. The student will be guided in areas of qualitative and quantitative data collection, investigations into human-environment relationships regarding health and environment, and human-environment investigations through survey creation and assessment.

SCIN140 Introduction to Environmental Science with Lab (4 hours)

This course will give students the opportunity to learn and connect with the central issues of environmental science. This is a course primarily for the non-scientist. The basic concepts of ecology, geography, chemistry, economics, ethics, policy, and many other disciplines will be used to examine the overarching role that humans play in our planet's environmental problems and successes. The laboratory exercises will allow students to use hands-on, field, and/or Internet resources to collect and evaluate qualitative and quantitative data regarding the human-environment relationship. Lifestyle examination, ethical considerations, and critical analysis of individual contributions to local and global impacts in regards to environmental sustainability will be emphasized in the laboratory portion of this course.

SCIN202 Introduction to Microbiology (3 hours)

Introduction to Microbiology includes the study of the history of microbiology, as well as the fundamentals of microbe staining, culture, and growth. We will also focus on sterilization, disinfection and antimicrobial therapies that help to keep microbes in check. Finally, we will focus on microbial infections of the skin, eyes, and wounds as well as the urogenital, respiratory, oral

gastrointestinal and nervous systems. (Prerequisite: SCIN130)

SCIN206 Marine Biology (3 hours)

This course covers key principles and topics in oceanography and marine biology. It is focused on applied problems; it will use problems involving the basic biology of organisms, taxonomy, marine ecosystems, pollution, fisheries, aquaculture and sustainable marine resources to investigate topics in marine biology. A working knowledge of the material in Introduction to Biology and Introduction to Oceanography will be assumed.

SCIN211 Principles of Genetics with Lab (4 hours)

This course is an introduction to the basic principles of human genetics and heredity. Students will investigate both classical Mendelian genetics and modern molecular genetics. Topics include the transmission of genes from one generation to the next, the molecular structure of genes, the regulation of gene expression, genes and cancer, genetic technology, genetically modified foods, gene therapy and population genetics. The course is designed for all students interested in human genetics, the application of genetic principles and genetic technology. (Prerequisite: SCIN130)

SCIN230 Hazardous Weather (3 hours)

Hazardous Weather takes an in-depth look at the many types of severe weather that impacts day to day life. Students will cover review the basics of meteorology and look at topics such as severe weather and tornadoes, hurricanes, winter weather, and fire weather. The course will focus on the “ingredients” that create these severe weather events as well as the tools necessary to diagnose current weather and forecasts. Students will finish this course with knowledge of data sources and interpretation of weather information.

SCIN233 Physics I with Lab (4 hours)

This fundamental Physics course is the first of two courses that examine basic Physics using Calculus techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and Thermodynamics. Calculus I should be taken prior to or concurrent with this course. The course involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lectures. (Prerequisite: MATH225)

SCIN234 Physics II with Lab (4 hours)

This fundamental physics course is the second of two courses that examine basic physics using Calculus techniques. The course covers Electric Forces and Fields, Electric Currents and Circuits, Magnetic Forces and Fields, Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Reflection and Refraction of Light, Optical Instruments, Interference and Diffraction, and an Introduction to Quantum and Particle Physics. Calculus I and Physics I should be taken prior to this course. Calculus II should be taken prior to or concurrent with this course (Prerequisites: SCIN233 and MATH226)

SCIN261 Introduction to Planetary Science with Lab (4 hours)

This course is a tour of the planets and moons of the solar system, and an introduction to their internal structures, atmospheres, and surface features. Processes that form planets and act continually to change them (e.g., earthquakes, volcanoes, giant impacts) are discussed, as are comets, asteroids, rings, and life. Information gained from spacecraft missions is highlighted. In the laboratory component, students will engage in planetary science inquiry using online interactive simulations and data gathered from space missions and ground-based observatories to help reinforce and build upon the concepts presented in the lecture portion of the course.

SCIN299 Natural Sciences Review (3 hours)

This course is designed to have students in the Natural Sciences Degree Program demonstrate their background and mastery of concepts from the four major areas of the natural sciences: physics, chemistry, biology, and earth & environmental sciences. Students will be asked to demonstrate a working knowledge of and ability to integrate the material and concepts from their 100--level and 200--level science courses. Prerequisite: Completion or concurrent enrollment in all of natural science course courses.

SCIN310 Vertebrate Zoology (3 hours)

The origin, diversity, and adaptations of the vertebrates. Phylogenetic systematics (cladistics) will be used as the basis for

determining evolutionary relationships of organisms. Monophyletic groupings provide a framework for examining behavior, physiology, and ecology in an explicit evolutionary context. Vertebrates common to North America will be emphasized.

SCIN311 Fishery Biology (3 hours)

This course will present the principles and methods used in studying the biology of fishes, the ecological requirements of freshwater and anadromous fishes, and the principles and practices in sport fishery management. Students will participate in case studies and critically analyze existing fisheries management plans to ascertain their effectiveness and scientific validity. This course will also emphasize the value of collaboration in effective fisheries management.

SCIN314 Botany (3 hours)

An introduction to the structure, processes, and reproduction of higher plants with an emphasis on flowering plants. This course will use an integrative approach to examine the relationships between structure and function, diversity, and evolution. (Prerequisite: SCIN130)

SCIN316 Plant Identification, Taxonomy, and Systematics (3 hours)

An introduction to classification and evolution of vascular plants, with emphasis on flowering plants (angiosperms). This course will use structural terminology, characteristics of major plant families, and systematics. Student will use taxonomic keys, floras, and manuals for species identification. For students to be successful, Introduction to Botany is strongly recommended as a prerequisite to this course.

SCIN360 Advanced Human Anatomy and Physiology (3 hours)

This course is custom-designed for the student with little or no science background who wishes to go into or improve his or her understanding of the body as to sports or any of the allied health fields. The emphasis is on how the body is constructed and how it operates, with special applications to the maintenance and improvement of health and fitness. Therefore, it is not "overly detailed" as other courses that are taken by medical students; rather, it is a course that will help you understand your own body and why it acts and reacts the way it does to both internal and external stimuli. (Prerequisite: SCIN132)

SCIN400 Research Methods in Natural Sciences (3 hours)

Research Methods for Natural Sciences is a course that focuses on providing the student the essential elements of scientific research and issues associated with the scientific method, experimental and non--experimental research design, and statistical data analyses. Students will familiarize with the current methodologies, tools, and instruments of modern research, such as: sampling, test design, data collection reporting, and publishing. In addition, they will be given the opportunity to conduct research on a variety of scientific topics within the field of Natural Sciences. The principles and practices covered during this course are commonly used in the academic fields of natural, physical, and social science. Prerequisite: SCIN299

SCIN401 Mammalogy (3 hours)

The goal of this course is to introduce students to the biology of the class Mammalia. The course will include a survey of the origins, evolution, diversity, and adaptations of mammals to diverse environments. Topics include taxonomy, reproduction, sensory perception, herbivory, population cycles and behavior. Students will use case studies to apply the concepts of mammalogy to broader problems of species management, biodiversity, and the effects of development and habitat fragmentation on mammals.

SCIN402 Ornithology (3 hours)

Ornithology is the study of the anatomy, physiology, and behavior of birds. In this course, students will integrate ornithological study with the principles of bird conservation and management. Students will learn to identify birds by sight and call, and will learn the names of the major orders and families of birds throughout the world. Due to the scientific complexity of the material presented, it is recommended that students complete introductory biology prior to taking this course.

SCIN403 Plant Science (3 hours)

This course will provide an overview of plant growth and development as it applies to the disciplines of agriculture, forestry, and horticulture. Topics presented will include plant production for food, fiber and fuel, the influence of soils on crops and plant propagation, biotechnology applications, pesticide use, impacts of insects and disease, the influence of genetically modified plants

on agriculture, invasive species management, and the implementation of sustainable practices in agricultural and forestry operations. To be successful, Introduction to Botany is strongly recommended as a prerequisite to this course.

SCIN499 Senior Seminar in Natural Sciences (3 hours)

Instruction in analysis and presentation of original research. Each student will analyze and interpret data collected from a project executed as part of an upper--level course. Each student will prepare a public presentation of his/her research. This is considered the capstone course for students completing majors within the natural sciences. Prerequisite: 90 Semester Hours/Senior Standing

Undergraduate Course Descriptions

Security Management

SCMT101 Introduction to Security Management (3 hours)

This course is an introductory course to the Security Management field and is designed to familiarize students with the profession as well as to provide an overview of security measures used in the industry. Emphasis is placed on distinguishing the terminology used in the security industry. The student will be exposed to such topics as the privatization of public safety, use of technology and physical security, contract and proprietary security, executive protection, special event security, access control, integrated security systems, and the need for assessing vulnerabilities to increase the security posture of an organization.

SCMT301 Foundations of U.S. Government Security (3 hours)

This course offers the student an overview of many of the primary laws and policies, which drive the U.S. Government's security apparatus. There is a vast array of policy covering security topics, which are promulgated throughout numerous U.S. Government agencies. Topics will include the U.S. Constitution, Executive Orders, Presidential Decision Directives, and the National Industrial Program Security Operating Manual. The student will gain an appreciation for the complexities involved in securing U.S. Government sponsored facilities, personnel and information.

SCMT302 Protecting U.S. Government Facilities (3 hours)

This course offers the student an in-depth look into the construction and security management requirements of a wide range of United States Government sponsored facilities (domestic and overseas). This course includes coverage of a wide array of natural and man-made threats that must be considered in facility construction as well as special requirements for constructing facilities designed for the protection of classified information. Additionally, this course will cover facility security management procedures and build upon the student's existing knowledge of basic physical security principles. The student will gain an appreciation for the wide range of facility security applications across the federal government.

SCMT303 U. S. Government Personnel Security (3 hours)

Personnel Security (PERSEC) is the fundamental program in government security that provides a process for vetting and maintaining individuals' suitability, reliability, and trustworthiness. This course offers the student an in depth exploration of the steps to gaining access to United States National Security information, facilities and Information Systems; Basic requirements for access with emphasis on the National Industrial Security Program Manual (NISPOM) PERSEC process as well as processes utilized by the Intelligence Community for Access to Sensitive Compartmented Information (SCI) and the Special Access Program (SAP) communities will be covered.

SCMT319 Global Terrorism (3 hours)

This course examines various elements and aspects of International and Domestic Terrorism. Students explore the cultural and ideological philosophies, as well as the social, economic, political, and religious conditions of select states, groups, and individuals that comprise the phenomena of terrorism. By examining the historical and contemporary aspects of terrorism students develop a working knowledge of the current Global War on Terror and are better prepared to comprehend terrorist motives and ideologies. Topics include: History and Development, Types of Terrorism, Conventional and Unconventional terrorist tactics, the Media's impact on terrorism including the US Counterterrorism Policies. Particular attention is addressed to the Al-Qaeda terrorist network.

SCMT370 Principles and Theory of Security Issues (3 hours)

This course is an overview of the principles and issues in business and organizational security management. It reviews the classical management functions including the role of the Chief Security Officer and the principles of organizing the security function. It assesses the traditional management theories and concepts of planning, staffing, span of control as they are applied to the organization. Students examine the challenges embodied in various aspects of physical, personnel, and information security. Principles of loss prevention and the protection of assets are also considered. The history, legal foundations, functions, operations, processes, and tools of security management are explored to ensure the student has a broad understanding of security management and its current role in government and business operations.

SCMT371 Legal and Ethical Issues in Security Management (3 hours)

This course assesses legal and ethical issues that inevitably affect security managers. It examines dimensions of security management including pertinent points of civil and criminal law, personnel law and obligations, negotiations, contract management, constitutional rights of individuals, legal compliance, liability, ethical standards and dilemmas, and decision-making.

SCMT373 Evaluation of Security Programs (3 hours)

This course explores industry standards, practices and methods of determining the adequacy of security management programs. It reviews the interplay of management structures, functions and processes as well as proper procedures for conducting physical security analyses and evaluations. The course examines the principles of operating technology-centered programs for the protection of assets.

SCMT374 Contemporary Issues in Security Management (3 hours)

This course focuses on the contemporary issues of security management such as substance abuse, violence, ideologies, adjudication and reconsideration reviews, security countermeasures, case management, use of examinations such as polygraphs, report writing, international commercial sales, and media relations. It also addresses the security manager's role in personnel management, security planning, organizational communication, recruitment, retention, training and development, and management of contracts, as well as examines techniques and tools that help security managers understand bias, educate, and shift attitudes of employees towards more proactive security practices.

SCMT379 School and Campus Security (3 hours)

Over the last several years, the perception of safety has been challenged by a series of high profile critical incidents, litigation, legislation and the protection of the 2nd Amendment, right to bear arms. Officials at educational and all types of institutions must be prepared to manage every day security issues while planning for high impact scenarios such as terrorism and active shooter/mass casualty incidents. Students will explore risk management and emergency management protocols, the threat assessment process, crisis and recovery measures, and become aware of the Department of Homeland Security protocols for active shooters/mass casualty incidents. Students will be required to take the web-based FEMA Active Shooter training and upon successful completion will receive a FEMA certification. This course will benefit students in the educational, criminal justice, security management, emergency management and, homeland security fields of study.

SCMT390 Security Administration (3 hours)

This course focuses on principles and practices that security managers can put to immediate use. The bedrock requirements of effective organization, staff selection, and daily operating procedures are emphasized over abstract concepts. Topics include guard operations, plans, policies, and procedures, workplace violence, managing change, bomb threat management, security awareness training, physical security, securing information systems, investigations, and employee screening.

SCMT392 Industrial Espionage (3 hours)

Industrial espionage results in millions of dollars in lost revenue each year. This course provides a brief history of espionage and examines the World Wide Web as an enabler of espionage, the role of governments in industrial espionage, the rise of the competitive intelligence professional, tensions between openness and security, and the Economic Espionage Act of 1996.

SCMT396 Protective Services (3 hours)

Executive protection is a growth industry. This course provides a thorough overview of the subject. Topics covered include basic principles, threat assessment, risk analysis, training opportunities, finding employment, organization and management of a protective services detail, working the principal, home and office security, technological considerations, vehicle security, conducting an advance, domestic and international travel, firearms selection and training, and self-defense fundamentals.

SCMT397 Physical Security (3 hours)

Effective physical security is based on an accurate threat assessment followed by the implementation of an overlapping system of physical and electronic safeguards designed for the specific needs of the client. Topics covered include threat assessment, the security survey, architectural design for security, physical and electronic security methodologies, security lighting, perimeter

protection and the guard force, clear zones, wall materials, signage, and the importance of effective and continuous local, state, and federal governmental liaison.

SCMT491 Independent Study: Security Management (3 hours)

An opportunity for Security Management students to pursue an independent research project or examine a specific area of Security Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. This course will require a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SCMT498 Senior Seminar in Security Management (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Security Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Social Science

ANTH100 Introduction to Anthropology (3 hours)

This course introduces students to human nature and behavior from the broad, holistic perspective of contemporary U.S. American anthropology. The four primary sub-fields of anthropology, biological, cultural, linguistics, and archeology, will be discussed in order to integrate various aspects of the human condition.

ANTH200 World Archaeology (3 hours)

This course is a worldwide survey of prehistoric cultural adaptations from the first use of bone and stone tools to the ancient mysterious civilizations of Asia, Africa, the Americas, and Europe, including recent archaeological discoveries. Emphasis is on the development of technologies, social groups, and the patterns of cultural development. Archaeological excavation methods and archaeological artifacts are discussed in considerable detail. In the second half of this course the student will engage in a "virtual dig" of a Middle Paleolithic site in France, using a workbook and a CD-Rom.

ANTH201 Introduction to Physical Anthropology (3 hours)

This course is an introduction to the human species as revealed by living fossil primates, ancient forms of humanity, and the interaction of biological and cultural evolution. It examines the origin and evolution of the human species, primates, modern human variation, prehistoric societies, and linguistic classification.

ANTH202 Introduction to Cultural Anthropology (3 hours)

This course is designed to acquaint the novice anthropology student with anthropology and its various sub-fields, examining cross-cultural, global, comparative, and critical perspectives on human behavior and culture, as well as the diversity of human cultures from hunter-gatherers to industrialized city dwellers. The implications of socio-cultural analysis of economic, social, symbolic, and religious systems are also considered.

ANTH203 Introduction to Forensic Anthropology (3 hours)

Forensic anthropology is the application of physical anthropology in a medico-legal context; forensic anthropologists use the tools of archaeology and physical anthropology to discover, recover and identify human remains. Students will be exposed to the interdisciplinary, scientific basis of forensic anthropology, along with legal and ethical issues forensic anthropologists face. The course is designed to give students a broad overview of the field by introducing them to the process of human remains identification; the archaeological and laboratory methods incorporated in human remains recovery; and, a review of the work forensic anthropologists work do with law enforcement, forensic pathologists and odontologists in recovering and collecting victims of foul play as well as those of mass fatalities, such as the 9/11 terrorist attack on the World Trade Center.

SOCI490 Independent Study: Social Science (3 hours)

An opportunity for Social Science students to pursue an independent research project or examine a specific area of Social Science under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. The course will typically involve six or more professor contacts and produce a major research paper (30+ pages); there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper at week 10, both of which will count toward the final grade. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her student advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Sociology

SOCI 111 Introduction to Sociology (3 hours)

Introduction to Sociology introduces students to the sociological investigation of human interaction and behavior in society. Students will become familiar with the sociological perspective and develop a 'sociological imagination' – the ability to see the general in the particular, the new in the familiar, and to observe the impact social forces have on our lives. The course explores environmental, historical, cultural, and organizational influences on our interpersonal relationships and life-patterns within the context of contemporary society. Students will learn how to use sociological concepts, theory and research to think critically about individuals, groups, institutions, and societies in any given situation.

SOCI 212 Social Problems (3 hours)

This course examines a diverse sample of social problems facing the United States today and identifies how these problems affect and are affected by our institutions and culture. The sociological perspective and key theories will be used to understand the beginnings of the civil society, how problems develop and are defined, and the role of social change (particularly contemporary technological innovation). Key social problems covered will include social stratification/inequality, crime, drug abuse, prostitution, aging, infectious disease, family violence, health care, racial/ethnic conflict, terrorism, etc. Sociological research on social problems will be explored, and social policies to remedy the negative consequences of these issues on society will be discussed.

SOCI 213 Society, Interaction, and the Individual (3 hours)

This course surveys sociological theories and research on the relationship between the individual and society. It is a sociological approach to social psychology, emphasizing symbolic interactionism and social constructionism. Students will learn how individuals participate in the construction of society through interaction and the impact of cultures and social structure on our everyday lives including individual behavior in group processes. Core topics covered will include the Social Construction of Reality, Ethnography and other key methods in Symbolic Interactionism; the Self in Context; the Sociology of Emotions; Interaction and inequality.

SOCI 215 Social Deviance (3 hours)

This course is a critical examination of the relationship between deviance and social control. It will include how and why certain forms of behavior come to be known as deviant, it will analyze the nature of formal and informal responses to deviance, and explain the interaction of different social control institutions. Special attention will be given to an overview of general theories of deviance, and the particular forms it takes.

SOCI 220 American Popular Culture (3 hours)

This course is a contemporary study of popular culture in America – its development and characteristics, its role in shaping our individual lives and key social institutions; and its broad effects on our globalizing world. The course is designed around the interdisciplinary nature of cultural studies, and students will learn how to use key concepts and theories to examine popular culture from a number of different fields including Sociology, Anthropology, Communications, History, Cultural Studies, English, Women's Studies, Ethnic Studies, and American Studies. Students will develop the skills to analyze the reciprocal relationship between culture and key stratification factors such as gender, race, ethnicity, class, age, region and sexuality. The course will cover many facets of popular culture from all forms of media, to sports, fashion, and the influence of technology. Students will learn to situate popular culture within its social, historical, political, and economic contexts and their personal lives.

SOCI 303 Classical Sociological Theory (3 hours)

This course examines the transition from social philosophy to sociology with special emphasis on the European theorists in the nineteenth and early twentieth centuries. (Prerequisites: ENGL101 and SOCI111)

SOCI 305 Contemporary Sociological Theory (3 hours)

This course offers a general survey of recent developments in social theory since the 1960's. It covers a variety of theories that have been or are influential in the social sciences. Focus will be directed towards both those social theories that have sought to

understand modernity as a social epoch and those that claim we have entered a new postmodern era. Differences between European and American approaches will be considered as the substance of the course is developed. (Prerequisite: SOCI111)

SOCI 306 Race and Ethnicity (3 hours)

This course is a critical analysis of the structure of racism, stratification, hate violence, youth violence, poverty and human rights, stereotyping and ethnocentrism in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention. (Prerequisite: ENGL101)

SOCI 311 Political Sociology (3 hours)

Political Sociology examines the broad social bases of politics and identifies how politics and actions by government can influence the fate of nations and their citizens. These influences include, but are not limited to, power and authority, economic policy, equality, forms of political rule, access to the political process, and the roles of political parties. (Prerequisite: SOCI111)

SOCI 315 Food and Culture (3 hours)

This course is a theoretical and empirical exploration of human food choices from an ecological, political and sociological perspective. Students will examine food taboos and cravings, with their social, ideological and biological sources. The course is designed to discuss the socio-cultural dimensions of food production, preparation and consumption to include dimensions of individual, family, community and societal structures, as well as ideological, religious and cultural identities embodied in gender, race, ethnicity and socioeconomic status. Choices of pets, insects and people as food choices are considered in their socio-cultural contexts. Social issues include the 21st century locavore and organic movements, community food production, malnutrition and hunger. (Prerequisite: ENGL101)

SOCI 321 Environmental Sociology (3 hours)

Environmental problems are usually described in terms of the natural and life sciences; however, they are ultimately social problems, caused by social practices that reflect entrenched social values. This course will examine historical and contemporary sociological perspectives that have informed human's relationship with nature; the role of social/political/economic organization in the evolution and definition of environmental problems; and how social stratification is related to the environment. Course materials will include a survey of current research and methods in the subfield such as social movement research and network analysis. This course replaces SOCI320. (Prerequisite: SOCI111)

SOCI 331 Research Methods for Sociology (3 hours)

This course introduces students to the purpose and techniques in social research: problem definition, research design, sampling and data collection methods including observation, interviewing, questionnaire construction and the use of documents and other unobtrusive data sources. The basic goal of all social research is to gather evidence in order to answer questions about the nature of relationships between individuals, groups, institutions, and societies. This course is designed to give the student a broad overview of the logic of social research, of the process of research design, and of the major types of data collection techniques and methods of data analysis.

SOCI 332 Statistics for Social Science (3 hours)

This course is designed to provide a basic survey of the application, empirical use and interpretation of a variety of statistics methods used in the social sciences. A key objective of the course is the instruction in best statistical practice through the use, exploration and analysis of empirical data. Emphasis will be placed on understanding and interpreting the meaning of statistics. The practical aspects of statistics are emphasized and students are instructed in the use of the standard statistical package for the social sciences (SPSS) which is widely used in the social sciences and the in labor force. NOTE: Students must have access to required software: SPSS (Statistics Package for the Social Sciences); see Course Materials for current version requirement. APUS does not supply this software

SOCI 403 Social Change (3 hours)

Beginning with industrialization, a structural and cultural approach will be used to study processes of human interaction resulting in social change. The concept of what 'change' is and how it happens will be clarified with a focus on the various factors and theories that explain it. Key topics will include industrialization, institutional change, social movements, modernization, world systems, economic development, globalization, and information society. (Prerequisite: SOCI111)

SOCI 404 Gender and Society (3 hours)

This course is a critical analysis of the structure of sexism, stratification, poverty and human rights in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention. The course is designed to discuss the way culture shapes and defines the positions and roles of both men and women in society. It will cover the historical development of gender roles and stereotypes, how gender roles are socially constructed, and the social conditions which may lead to the broadening or reduction of gender roles and stereotypes.

(Prerequisite: ENGL101)

SOCI 420 Sociology of Religion (3 hours)

This course will guide students through a critical and sociological exploration of religion. It will provide them with an opportunity to think about religious experience and religious organizations as a part of a larger social order. It will introduce basic concepts in the sociology of religion. This process involves analyzing the interrelationship of culture, society, and religion; religion and social stratification; religious, economic, and political institutions; social change and religion. There will be a general emphasis on American society and institutions, with global and historical contexts integrated throughout the course. The course is designed with a focus on reading, discussion, field observation and critical writing. (Prerequisite: SOCI111)

SOCI 421 Sociology of the Family (3 hours)

This course is a sociological analysis of the modern family and marriage, its structures and functions, variant patterns, and the influence of contemporary society on this institution. Course topics include dating, marital roles, divorce, child raising, and alternative lifestyles. (Prerequisite: ENGL101)

SOCI 422 Sociology of the Law (3 hours)

This course is a study of law, law-making, law-enforcement, and legal systems in social life. Course content focuses on the American legal system from a sociological perspective--its origins, development, and current format, and examines the sources of the legal tradition, the function of legislation in society, and current trends in the social construction of norms. The course investigates the human need for social order and conflict resolution, and how that takes shape in the social world. (Prerequisite: SOCI111)

SOCI 423 Sociology of Health and Illness (3 hours)

This course examines the social contexts of health, illness and organized medical care. It focuses on the theories, research and debates of medical sociology. Topics covered will include the social, environmental and occupational factors in health and illness; the meaning of health and illness from the patient's perspective; the historical transformation of the health professions and the health work force; the social and cultural factors surrounding the creation and labeling of diseases; disparities in health, access to healthcare, and the quality of healthcare received; organizational and ethical issues in medicine including rising costs and medical technology; and health care reform. (Prerequisite: SOCI111)

SOCI 491 Sociology Independent Study (3 hours)

An opportunity for Sociology students to pursue an independent research project or examine a specific area of Sociology under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SOCI 498 Senior Seminar in Sociology (3 hours)

The focus of this course is to review the major issues within the field of sociology and their relationship to current events. Theoretical and applied perspectives will be discussed, culminating in the students' completion of a major sociological research paper/project that synthesizes the body of acquired knowledge. This is a capstone course to be taken after all other Sociology courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisites: SOCI111 and all Core and Major courses)

Undergraduate Course Descriptions

Space Studies

SPST300 Introduction to Space Studies (3 hours)

REQUIRED FIRST COURSE before taking any 300 or 400 series core or major course in the BS in Aerospace. Space studies, by its very nature, is an interdisciplinary subject. These various disciplines will be surveyed in this course, at a level appropriate for the non-specialist, including the space environment, policy, astrodynamics, systems design, technologies, business and management, law, applications, physical and life sciences, and space and society. This course provides a foundation for more in-depth study of these areas. (Prerequisite: MATH111 or MATH225)

SPST301 Introduction to Space Flight (3 hours)

Students in this course assess the major aspects of space flight. The course covers space flight from early rocketry through the development of satellite navigation, meteorology, and telecommunications, up to human space flight. Course topics also include: rocket propulsion, basic orbital mechanics, the space environment, living and working in space, and an overview of non-U.S. space programs. (Prerequisite: SPST300).

SPST302 Comets, Asteroids, and Meteorites (3 hours)

Asteroids, meteorites and comets, the leftover material from the formation of our solar system, are all key to understanding its origin. The composition, history and interrelationships of these objects will be covered, as well as their influence on the Earth and other bodies, and what they tell us about the early solar system. (Prerequisite: SPST300).

SPST303 History of Space (3 hours)

This course is a history of human activity in space and includes rocketry, space associations, voluntary organizations, human flight, unmanned flight, satellites, science-fiction, and ballistic missiles. (Prerequisite: SPST300).

SPST304 National Space Organization (3 hours)

This course addresses the United States organization for space operations, to include exploration, satellite operations, military purposes, and research and development. Included in the organization will be the linkages between governmental and non-governmental enterprises in or dealing with space. The course will also briefly address comparative organizations for space as witnessed in other industrialized nations. (Prerequisite: SPST300).

SPST305 Introduction to Orbital Mechanics (3 hours)

Students taking this course compute and calculate satellite orbits, planetary orbits, solar system orbits, and other essential space orbits. Designed for the non-scientist student, this course provides a fundamental understanding of how orbital mechanics works in space. (Prerequisites: MATH111 and SPST300).

SPST306 Human Space Flight (3 hours)

This course evaluates the physical and psychological effects of spaceflight on humans, countermeasures for both short- and long-duration spaceflight, and discussions of human factors in spacecraft engineering. (Prerequisite: SPST300).

SPST307 Space Policy (3 hours)

This course assesses the various aspects of policy surrounding space activities and investigates how space policy evolves from historical contexts through policy outcomes, including law, commerce, the environment, international cooperation, and national security. (Prerequisite: SPST300).

SPST415 Space Station Systems and Operations (3 hours)

This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST300).

SPST425 Satellite and Spacecraft Systems (3 hours)

Orbital satellites and spacecraft are discussed according to their application, design and environment. The power system, shielding

and communication systems are reviewed along with their missions, space environment and limitations. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST300).

SPST435 Planetary and Space Exploration (3 hours)

This course is a summary of U.S. and international space programs. The student will assess the Earth and its space environment, to include methods of scientific exploration and spacecraft and payload criteria at the basic physics level. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST300).

SPST445 Space Transportation Systems (3 hours)

This course evaluates Space Transportation Systems (STS) including manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. Included are manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. A review of Space Shuttle flight profiles, guidance and navigation control, proximity operations and rendezvous and a brief review of hypersonic orbiter aerodynamics are included. Also covered are future STS applications to space station logistical operations, commercial applications and Department of Defense operations. (Prerequisite: SPST300).

SPST455 Space Weapons and Missile Defense (3 hours)

Weaponizing space and deploying a missile defense shield are two subjects that have inspired a great deal of controversy in the realm of military space and national defense. This course will discuss the historical development and deployment of anti-satellite and missile defense systems through the recent Ballistic Missile Defense system and exploration of Space Control technologies. Also covered will be the politics and policy that have governed these systems including the role of the United Nations and the international debate of fielding such systems. (Prerequisite: SPST300).

SPST465 Space Weather (3 hours)

The relatively new science of space weather has significant influence on both the space program, and our increasingly technology-dependent society. Space weather is largely the result of solar activity, including sunspots, solar wind and solar flares and their interaction with the Earth's magnetic field. This course will discuss this Sun-Earth connection, its implications for both Earth-bound and space activities, and the current state of space weather study and prediction. (Prerequisite: SPST300).

SPST475 History of Astronomy (3 hours)

This course reviews the historical significance and discoveries made by astronomers ranging from the early Greeks and Mayans through the discoveries of recent times using modern techniques and tools such as the Hubble Space Telescope. As both a history class and a science class, this course bridges the two by examining the interconnection of the events and people involved in astronomy through the ages as well as analyzing the observations that have formed the core of humanity's effort to understand and describe what we see around us. The majority of the course materials are primary sources, as students will read many of the original papers that have brought us to our current understanding of the universe. A major component of this course is learning to interpret history for different audiences in a wide variety of writing assignments.

SPST490 Independent Study - Aerospace (3 hours)

An opportunity for Aerospace students to pursue an independent research project or examine a specific area of Aerospace under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. The course will typically involve six or more professor contacts and produce a major research paper (30+ pages); there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper at week 10, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SPST499 Senior Seminar in Space Studies (3 hours)

Analyses of specific issues will be conducted that will include a review of national space organizations, objectives in past, current, and future aerospace exploration/exploitation, Space Law, government/military and commercial space industrial programs, and examine future trends in space operations. Students will review and analyze the problem solving process with consideration for the economic, social benefit, and security implications of these decisions on national and global scales. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. This is a capstone course to be taken after all other Space Studies courses have been satisfactorily completed. Students must have SENIOR standing to enroll.

Undergraduate Course Descriptions

Sports and Health

SPHE290 Foundations of Sports and Health Sciences (3 hours)

This course introduces students to the fundamental concepts of Sports and Health Sciences including basic principals in exercise science, health, wellness, fitness and coaching studies. The student will focus on clarification of the wellness continuum including physical, emotional, intellectual, spiritual, interpersonal, and environmental wellness while implementing the methods of the health related components of physical wellness – cardio respiratory endurance, muscular strength, muscular endurance, flexibility, and body composition to promote lifelong physical fitness, disease prevention, and health and wellness.

SPHE295 Foundations of Nutrition (3 hours)

This course introduces students to the scientific principles of nutrition pertinent to the function of nutrients in the body and the physiological processes involved in digestion and absorption. Students will attain knowledge of the nutrients that make up the food we eat; the anatomy and physiology of digestion and absorption; the function of the each macro and micro nutrient within the body; the interplay between foods, food substances and disease processes like heart disease, cancer, and obesity; the role of nutrition throughout the life cycle; and, our global food problems.

SPHE314 Exercise Physiology (3 hours)

This course is designed to provide students with the knowledge of the inner workings and physiological changes that occur in the body during exercise, after exercise, and during a training period. Topics include efficiency, needs and limitations of body systems and their interrelationships, gender roles in exercise, and developing a personalized exercise routine to meet your needs.

SPHE315 Training and Conditioning (3 hours)

This course concentrates on the science, planning, management, and analysis of training and conditioning as it relates to the human body. Through a series of assignments and case studies, you will learn the theory of muscle growth and how muscle growth applies to your body. The course will answer many questions including how can you build an impressive, muscular physique using free weights? How, for example, can you customize your workouts according to your body type? And how should diet, including food supplements, factor into your fitness goals? (Prerequisite: SCIN360).

SPHE316 Sports and Recreation Facility Management (3 hours)

This course prepares students with an interest in pursuing a career in the fast growing industry of sports facility or event management. During the course, students will acquire professional skills that can be applied in a wide variety of career positions. A range of topics include facility financing, alcohol management, crowd management and box office management. Upon completion students will have basic fundamentals to comprehend the field of facility and event management.

SPHE317 Sports Medicine (3 hours)

This course in sports medicine explores the causes and prevention of common sports injuries. You will learn the prognosis and treatment of injuries by examining the anatomy of the injured area of the body through diagrams and interactive websites. Each section of the course covers a certain category of injuries; you will learn what sport or particular athlete is more at risk. Each student will be required to submit a course paper on a specific injury that includes case studies from appropriate references. It is recommended that students complete SPHE 421 Kinesiology before enrolling in this course. (Prerequisite: BIOL251)

SPHE318 Coaching Theory and Methodology (3 hours)

Students in this course will review Coaching Theory and Methodology within the coaching profession. They will examine theories specific sports teams, including the development of methodologies and the development of a team, principles for coaches to follow and pass on to teams, and the end of competitive careers in organized sports. Guiding questions include: What sport has done for the player and coach? Why is theory and methodology in sport important? How does leadership and strategy play a role? Students will develop a coaching philosophy that will drive their coaching theories and methods. Students will discover that teaching life lessons through sport is vital to the success of their athletes.

SPHE319 Sports and Drugs (3 hours)

This course is a broad investigation into the types and categories of pharmacological and nutritional performance enhancing substances used by athletes throughout history to present date. Students will use analytical techniques to identify, compare, and categorize the five major groups of performance enhancing drugs and nutritional supplements. They will discover the origins, physiological effects, prevalence, and usage trends of drug families, and from the information, the student will be able to formulate an understanding as to why certain drugs are used for specific sports, despite illegal consequences. Students will be able to list, define, explain, and fully understand therapeutic drugs, naturally produced hormones, nutritional supplements, cardiovascular enhancements, and stimulants, through individual and collaborative research, discussion, and presentation opportunities. Engaging debate and exploratory discussion options will provide students the chance to critique, appraise, and ultimately formulate individual conclusions surrounding the moral, ethical and social aspects of drug use in sport. Furthermore, students will have the opportunity to examine the legal aspects of drugs in sports, the administrative and political drug control processes, and how organizations have evolved over time, through increased awareness of the need to control or eliminate the use of drugs in sports performance. Students will investigate and explore the numerous current event issues, as well as the athletes, and professionals associated and implicated in the illegal use of drugs in athletic performance.

SPHE320 Nutrition (3 hours)

What should you eat? When should you eat it? Why? Nutrition plays an integral part of our daily life. A healthy diet can protect us from a number of diseases including heart disease and cancer. Nutrition also plays an integral part of the athlete's success; often making a difference between success and failure. Improper use of diet and/or ergogenic aids can result in poor performance. Students in this course will explore basic nutrition concepts, gaining an appreciation of the contribution of macro and micronutrients to a healthy diet and gaining an understanding of the importance of these nutrients as performance enhancers. They will identify a number of strategies for making healthy food selections, for integrating these selections into their lives, and for successfully maintaining a healthy diet. These concepts will be reinforced through the analysis of their own diets and the development of several new diets. The impact of excessive or deficient caloric intake on health and body composition will be determined. Finally, dietary supplements and performance enhancers are used by many people. Improper use of these can be detrimental to one's health as well as adversely impact athletic performance. Strategies for identifying and for using good and bad supplements/enhancers will be developed. (Prerequisite: SPHE295).

SPHE323 Sports Conditioning (3 hours)

This course will provide the student with the skills necessary to develop an annual training program for athletes of all levels. Emphasis will be placed on the principles of periodization and how to determine the appropriate training program for each sport. The topics of plyometrics, speed, agility, strength and power will be demonstrated in videos and through other course materials. Students will be required to complete a 52 week training plan for an athlete based on the principles of periodization. (Prerequisite: SCIN360).

SPHE324 Biomechanics (3 hours)

Students in this course will use qualitative and quantitative analysis to understand the biomechanics of human movement. This course will focus on biomechanics in sports and how biomechanical evaluation can improve performance and prevent injuries. Through the use of videos and personal observations, students will learn to apply mathematical equations to various sports skills to develop an understanding of how the laws of physics affect performance. Linear and angular kinematics and kinetics will be applied to sport skills. Students will complete a course project which will require the student to observe a sport skill, qualitatively analyze the athlete performing the skill and make recommendations for improvement. It is highly recommended that students complete College Algebra and Physics before taking this course. (Prerequisite: SCIN360).

SPHE325 Gender Issues in Sports (3 hours)

Students in this course will examine how gender and sexuality are impacted within sport and sports organizations. The relationship between sexuality, masculinity, femininity and sport has been a slow evolving process throughout history. This course is broken down into three main topics: masculinity in sport, media representation in sport, and transgressing femininities in sport. The visibility of professional athletes in the media has opened doors of opportunity for both male and female athletes. Students will discuss the equality of sports coverage based on gender along with career opportunity in sports organizations. The ratio of male to female athletic administrators is severely lopsided even in this modern era. This course will examine why and

what the future holds for gender issues in sport.

SPHE326 Ethics in Sports (3 hours)

Students will examine morality and ethical issues pertaining to sport. During this course, students will become involved with discussions on sportsmanship, fan behavior, performance-enhancing drugs, gender equity in sport, deviant behavior in athletics, and issues related to youth sports participation. Students will be required to examine their current rules, morals, and philosophies to their career aspirations and reflect on them in an ethical as well situational manner. Students will be immersed in ethical situations through the use of videos and relevant current event articles.

SPHE350 Coaching Baseball Technical and Tactical Skills (3 hours)

This course will help you learn how to teach the skills and strategies and techniques and tactics of baseball. You'll learn about approaches to coaching, including the games approach (an alternative to drills-based coaching), you'll develop a season plan and a series of practice plans; and you'll improve your ability to coach during games. This course is suitable for high school coaches and for serious club coaches, and college coaches.

SPHE351 Coaching Basketball Technical and Tactical Skills (3 hours)

This course will help you learn how to teach the skills and strategies, and techniques and tactics of basketball. You'll learn about approaches to coaching, including the games approach (an alternative to drills-based coaching), you'll develop a season plan and a series of practice plans; and you'll improve your ability to coach during games. This course is suitable for high school coaches and for serious club coaches, college coaches, and advanced coaches at the youth level.

SPHE352 Coaching Football Technical and Tactical Skills (3 hours)

Students in this course will explore the techniques and tactical skills within the sport of American Football. Basic offensive, defensive, and special team skills are taught while exploring various teaching strategies for effective implementation. Football is a game that goes well beyond the obvious physical struggle on the field of play. Below the surface is a complex game which calls for strategic learning and specific methods of movement in accordance to the basic laws of physics. Coaching football calls for an understanding of these concepts in addition to strong organizational and instructional abilities. This course is designed for coaches at all levels. For coaches just beginning in the profession or looking to begin in the future, this course will discuss a number of basic areas that are essential to being successful such as coaching philosophy, practice planning, and game preparation. For those individuals that have been coaching for some time, this course will give you a chance to re-evaluate your philosophy, technique, style, and communication ability. In summary, the approach is toward teaching the student the theory, principles, concepts, and practices that can be applied in the dynamic, ever changing, challenging, and rewarding field of coaching football.

SPHE379 Contemporary and Social Issues in Sport (3 hours)

Students in this course will use analytical techniques to examine the scope and effect of sport on society. They will explore sociological concepts on how sports and sport participation impact the lives of individuals and groups in a society. Students will explore several significant contemporary issues. These contemporary sport sociology issues will include drug abuse, race, ethnicity, gender inequity, ethics, gambling, and violence. To increase their sociological understanding of sport, students will identify and discuss sociological perspectives about the components of sport and physical activity.

SPHE383 Disabilities in Sport (3 hours)

This course offers a comprehensive and practical look at the past, present and future of disability sport. Topics covered are inclusive of youth through adult participation with in-depth coverage of the essential issues involving athletes with disabilities. Modern challenges and controversies dealing disabilities in sport will be examined along with sport opportunities for athletes with disabilities, coaching and training of athletes with disabilities, sports medicine issues, activity modifications, equipment uses, and event management for both adults and children with disability.

SPHE400 Sports Management Foundations (3 hours)

Sports management is evolving at a rapid pace. This course provides an overview of the sports industry and teaches the basics of sport management to future sport managers. Students will explore the sports industry in different segments that will help guide them to what area of expertise they might choose as a career path. Topics will include ethics, finances, high school and youth

sports, marketing and legal issues. This course also examines specific industries involving management such as the fitness industry, facility management, sporting goods, and event management.

SPHE405 Sports First Aid (3 hours)

Sports First Aid is the recognition and emergency treatment of sports injuries sustained during the participation in a sporting event. Students in this course will learn basic first aid principles in order to provide emergency care to injured athletes. Students will develop a basic knowledge of common sports injuries to be able to administer appropriate sports first aid. This course will introduce the role of the coach as well as other medical professionals that provide first aid to athletes. Focus will be placed on techniques and concepts used to treat these sports injuries. Students taking this course will become a competent first aid responder for basic athletic injuries. (Prerequisite: BIOL251)

SPHE412 Sports Finance (3 hours)

Sports Finance will provide students with a vast overview of the financial and contemporary economic issues related to sports, athletes and the sport industry. The course will examine the market power in sports, impact of teams and facilities on neighborhood economics, issues relating to a professional sports lockout as well as the relationship among academics, athletics, and the economy. Contemporary topics will include sports franchises, agents, contracts, sports industry financing, and financial and legal issues

SPHE413 Sports Marketing (3 hours)

This course focuses on the promotions, public relations, and advertising and other marketing functions involved in the multi-billion dollar sports industry. The course provides research, case analysis, and other opportunities to learn of the effective principles, theories, practices, and methods involved with all aspects of sports communications.

SPHE416 Athletic Programs Administration (3 hours)

Athletic programs administration focuses on the coach, and their administrative responsibilities of their profession. Coaching goes beyond knowledge of the game, strategies to win or practice design. Coaches and administrators, much like managers in the business world, are decision makers and resource allocators. They make sure player to player and coach relations are operating smoothly. Their duties also include fundraising, facility management, scheduling and maintaining budgets much like any business manager. This course examines the key concepts and skills to becoming an effective sports manager that includes program promotion, leadership, personal organization, public relations and risk management.

SPHE417 Leadership Concepts in Coaching (3 hours)

This course will introduce Coaching Leadership on a sports level but show how that leadership can relate to personal, business and everyday successes for individuals. Creating success in the sports arena, a leader has to communicate, to bring a set of individuals together to accomplish one common goal. To be a good leader and coach, one must motivate teamwork and reveal the powerful characteristics of success. Leadership can be universal and used in any walk of life. Coaches are faced with many hurdles to overcome on different levels. The best coaches are able to work through these barriers and develop systems that bring teammates together with a common purpose. Course objectives will be reached by means of selected case studies and focused assignments, reinforced by study of proven coaching leaders.

SPHE419 Recovery and Rehabilitation (3 hours)

Students in this course will learn how to apply treatment interventions during the recovery and rehabilitation process related to the injured athlete. This class will cover the prevention, recognition, and treatment of injuries and other medical conditions sustained during the participation in sporting events. Students will learn about the pre-participation exam and the importance of screening for pre-existing medical conditions. They will focus on acute, chronic, and overuse injuries commonly seen in sports. Students will gain an understanding of basic anatomical and physiological principles as they pertain to the treatment of sports injuries. Focus will be placed on the etiology and therapeutic techniques used to treat these injuries during the rehabilitation process. (Prerequisite: BIOL251)

SPHE420 Exercise Programming and Testing (3 hours)

This course is designed for the undergraduate degree in Sports and Health Sciences. Students will combine knowledge from prior classes such as Anatomy, Exercise Physiology, Nutrition and Training and Conditioning and will be prepared to implement their

knowledge in a professional setting. Application of basic exercise training principles will be expanded as the course progresses, allowing the student to execute a wide range of personal fitness training principles such as fundamentals of human movement science, client/athlete assessment, exercise training concepts, program design, nutrition and supplementation. This course incorporates advanced exercise programming techniques utilizing the Optimum Performance Training Model (OPT Model) and prepares students for the Certified Personal Training examination offered by the National Academy of Sports Medicine (NASM-CPT). Upon successful completion of this course and with a valid CPR certification students are eligible to sit for this examination. (Prerequisite: BIOL251)

SPHE421 Kinesiology (3 hours)

Kinesiology develops a practical understanding of the neuromotor system in relation to anatomical structures responsible for human movement along with their respective functions. Students will learn how to analyze movement and determine specific muscles responsible for a particular movement along with the associated joint action and neural control mechanisms. Students will contrast movements and exercises to determine their appropriateness and fit for specific and common goals in real world settings. Additionally, students will discuss Kinesiology principles and critical concepts as they relate to athletics, rehabilitation, and recreational exercise. The course will also explore how to improve human performance through effective exercise and training program design. Students learn concepts in this course which apply in coaching, athletics, rehabilitation, and fitness settings. (Prerequisite: BIOL251)

SPHE425 Therapeutic Exercise (3 hours)

This course examines the physiology of healing as well as exercise protocols for orthopedic and musculoskeletal injuries. The course provides students with a solid foundation of the theory and practice associated with the design, implementation, progression, and supervision of healing and reconditioning programs. Content includes skillful examination of the process of healing and identifying pertinent stages in order to develop evidence based programs. Techniques include progression and sequencing, examination and assessment, and application of soft tissue and joint mobilization; range of motion and flexibility, strength and muscle endurance exercises; balance, coordination and agility activities as well as function return to play exercises for full return to play participation.

SPHE430 Sports Communication (3 hours)

An introduction and overview of the field of sport communication; specific topics include models of sport communication, print and electronic media, sport advertising, public relations, media relations, and employment opportunities. Students will have the opportunity to critically assess the communication efforts of sports organization as well as construct their own communications in the field of sport. These goals will be accomplished through writing and discussion assignments, reflective reading worksheets, and a final paper

SPHE440 Sports Event Management and Planning (3 hours)

Sports Event Management and Planning involves a comprehensive overview of the development and implementation process involved with managing a successful sporting event. The student will examine detailed event criteria including time line, budget analysis, sponsorship, event location, staff and consumer management, as well as the development of television and talent contracts. The course shall provide the knowledge necessary to cultivate, organize, and execute any sporting event from a managerial standpoint.

SPHE450 Sports Governance (3 hours)

This course will focus on the policies, structure and politics that shape sport at the regional, national and international levels. With a focus on the Olympic movement, the course will also examine the organization and development of amateur and professional sport, including the need for Paralympic Games, Gay Games and Special Olympics. The student will analyze the different membership guidelines, organizational goals, and administrative roles of the many governing bodies as well as learn about the historical politics and boycotts, the international development of sport and the bidding process for an international event.

SPHE460 Business Aspects of Fitness and Wellness (3 hours)

This course provides the student with the tools to pragmatically conduct business within the fitness and wellness industry. The student will develop parameters of management within a business structure including financial, facility, marketing, risk

management, leadership, and personnel. No prerequisite.

SPHE461 Current Issues and Trends in Fitness and Wellness (3 hours)

This course is designed to explore the growing field of Sports and Health Sciences and its cultural impact on the United States and International health and wellness. The student will gain the tools necessary to assess the fitness, sport, and health industry and its relationship to health and wellness management. No prerequisite.

SPHE490 Senior Seminar in Sports and Health Science (3 hours)

This senior capstone class is the final course in the degree sequence for students majoring in Sports and Health Sciences. In this dynamic and interactive course, learners will review, assess and then apply many of the concepts they have researched during undergraduate studies through the creation of a customized graduation portfolio. This portfolio can be used for future career or academic goals and serve as a tangible job aid that houses previously acquired knowledge. Real life, hands on tools for career advancement will be examined and then applied, including the creation of a professional resume. An investigation of the job market in the field of sports and health will also take place through case study analysis and lively, career focused discussions. Alternative career paths for sports and health sciences degree holders will also be explored. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Sports Management

SPHE491 Senior Seminar in Sports Management (3 hours)

This senior capstone class is the final course in the degree sequence for students majoring in Sports Management. In this dynamic and interactive course, learners will review, assess and then apply many of the concepts they have researched during undergraduate studies through the creation of a customized graduation portfolio. This portfolio can be used for future career or academic goals and serve as a tangible job aid that houses previously acquired knowledge. Real life, hands on tools for career advancement will be examined and then applied, including the creation of a professional resume. An investigation of the job market in the field of sports management will also take place through case study analysis and lively, career focused discussions. Alternative career paths for sports and health sciences degree holders will also be explored. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Transportation and Logistics

TLMT311 Introduction to Transportation Management (3 hours)

This course is an overview of the transportation sector, including providers, users and government agencies. It examines contemporary public policy issues, such as deregulation, along with managerial strategies in transportation.

TLMT312 Transportation Economics (3 hours)

This course focuses on the micro and macro economic issues associated with international, national, and local transport, logistics, and other issues in the transportation industry. Topics include the economic aspects of rail, water, air, ground, and other transport modes; inventory, and supply.

TLMT313 Supply Chain Management (3 hours)

This course is a study of supply chain management from the consumer back to raw materials. The entire process is studied from the standpoint of the leading theory and practice of cutting-edge organizations.

TLMT318 Hazardous Materials Transportation (3 hours)

This course is a study of the packaging, transportation, and delivery of hazardous materials. Course topics include container, vehicular, storage, mode, onload/offload, and other considerations associated with hazardous materials transportation.

TLMT331 Fundamentals of Intermodal Transportation (3 hours)

This course examines the United States and worldwide commercial freight transportation systems, with an emphasis on international intermodal surface transportation. Modal/intermodal economic and operating characteristics will be surveyed, along with cost, pricing, and regulation of transportation services. In addition, students will be introduced to electronic data interchange (EDI) in commercial transportation and the use of computer software applications in transportation management—all with the goal of providing students with an in-depth understanding of the principles of intermodal transportation systems, a grasp of transportation terminology, and the interrelationship between the Defense Transportation System (DTS) and the global commercial transportation infrastructure.

TLMT341 Logistics Management (3 hours)

This course studies the logistics functions of business involved in the movement and storage of supplies, work-in-progress, and finished goods. It examines the trade-offs between cost and service and the purchase and supply of raw materials; the warehousing and control of inventory; industrial packaging; materials handling within warehouses; and the distribution of finished goods to customers required to minimize costs, maximize profits or increase customer service levels. STUDENTS ARE STRONGLY ADVISED TO COMPLETE TLMT311 PRIOR TO TAKING THIS COURSE.

TLMT342 International Logistics Management (3 hours)

This course addresses the design and operation of international logistics systems. Topics include export-import issues, multi-national sourcing and distribution strategies, channel management, and comparative transportation systems and policies.

TLMT351 Packaging (3 hours)

This course examines the role of packaging marking and labeling as part of the physical distribution process. It examines inner, outer, and intermediate packing, packaging media, dunnage, lading and ISO & non-ISO containers. Topics include: packaging as containment; packaging as a physical barrier, packaging as an impediment to in-transit visibility and handling; packaging as a carrier of arachnids, nematodes and plant and animal life; and contaminated packaging incompatibilities.

TLMT352 Distribution Systems (3 hours)

This course addresses the principles and practices of transportation and its role in the distribution process. Topics include the physical transportation system of the United States and its performance; carrier responsibilities and services; economic and legal bases of rates, freight classification and tariffs; public policy regarding regulation; and transportation issues and problems.

TLMT353 Logistics Management and Operations (3 hours)

An overview of the general area of logistics, its nature, scope, and process. It is a critical examination of logistics management functions and the interrelationships among strategic support and operational logistics.

TLMT381 Hazardous Materials Management (3 hours)

This course will cover the requirements and regulations associated with packaging, handling, storage, transport, and incident response at the operational level for all forms of Hazardous Material. The emphasis will be on the federal regulations and their often-competing goals and contradictory provisions.

TLMT405 Best Practices in Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

TLMT411 Air Transportation (3 hours)

This course covers the history, management and future trends in air transportation. It covers the four principal segments of air transportation: major carriers, regional carriers, all-cargo carriers and general aviation. In each segment, the issues of aircraft design, market share, finance, insurance and operations are discussed. The course analyzes the development and application of national and international regulations that impact air transportation. Topics include: cost structure, air fares, flight crews and safety, environmental impacts of aircraft and airports, operating and service characteristics, technological advances, world competition and intermodal operations.

TLMT415 Airport Operations (3 hours)

This course is a study of managerial and leadership issues associated with airport operations, to include human resource, union, commercial, legal, security, air and air support operations, and other issues.

TLMT416 Air Cargo Operations and Security (3 hours)

This course provides students with an understanding of air cargo theft and proper control for safety and security of people, the cargo and the environment. This remains the focal point of cargo security management despite the justifiably increased concern for disruptions due to natural catastrophes, accidents and global terrorism. Topics include introduction to cargo security, benchmarking against best practices in the industry and conduct of an effective cargo theft investigation. with What are the learning outcomes? At the completion of this course the student will be able to: Assess transportation as a conveyance and evaluate the impact of transportation disruptions on the supply chain. understanding of the role of airport management operations focused on air cargo movement and control through an airport system.

TLMT441 Advanced Business Logistics (3 hours)

Business Logistics is the set of activities involved in the flow of materials and products through an organization and through the supply chain to the market. This course examines and applies management tools and principles to these supply and distribution problems. Emphasis is first placed on developing a broad overview of the logistics field: what are its principle activities, decisions and how these activities produce value by supplying customer service through order fulfillment. Interfunctional coordination is reviewed by examining how logistics is coordinated or integrated with marketing and corporate strategy. Next, a thorough grounding in concepts, alternatives and tools for the primary activities of logistics: inventory, transportation, warehousing and order processing are presented. This provides the basis for examining issues in logistics system design, including stock location, sourcing, number and location of facilities and flow management. The organizational design of the logistics system across the internal supply chain is examined if time permits.

TLMT442 International Trade and Regulations (3 hours)

This course is a study of international trade, to include the theories and practice of international trade and their economic outcomes from both global and local vantages. Topics of the course include free and restrictive trade theories, free trade

agreements, general and specialized tariffs, and trade as an arm of foreign and/or domestic policy.

TLMT498 Senior Seminar in Transportation and Logistics (3 hours)

This senior capstone course allows students majoring in transportation and logistics to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Transportation and Logistics courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Women's Studies

WOMS319 Transnational and Global Issues in Women's Studies (3 hours)

This course seeks to explore global perspectives on a number of the key ethical debates in Women's Studies involving basic human rights and women's lived experience including human trafficking and sex work, transnational mothering and domestic labor, reproductive and cosmetic technologies, and legislated multi-culturalism. In particular, this course considers how these debates are framed by secular and religious feminists and womanists globally and how they are portrayed across cultures in novels, film, poetry, religious texts, and other cultural artifacts. The aim of the course is to investigate how these issues might better be identified, negotiated and/or addressed effectively in terms of global, political, legislative and civic action in communities, and by the academy based on feminist ethic of care.

WOMS320 Introduction to Feminist Thought (3 hours)

This course is an interdisciplinary survey of historical and contemporary feminist theories in the United States and international contexts.

WOMS321 Contemporary Women's Issues (3 hours)

This course is a critical analysis of major contemporary women's issues covering a range of research, writing, and cutting-edge topical issues in the arts, politics, business, humanities, and social and natural sciences.

WOMS330 The Black Woman (3 hours)

This course examines the black woman in contemporary times, with emphasis on Black women in the United States. Issues covered will include the changing role of the Black woman in society, the image and social constructions of the Black woman, Black women and the workplace, Black feminist thought, as well as Black women and their communities. The role of U.S. public policy in shaping each of these issues will be investigated. Key issues and topics will include analyzing the ways in which race, gender, and class are intertwined, resulting in complex forms of oppression.

WOMS343 Native American Women (3 hours)

This course examines Native American women from historical to contemporary times. Topics include the traditional and changing role of the woman in Native American society in relation to her duties, responsibilities, and obligations in family, tribe, workplace, and other settings.

WOMS361 History of Women in Latin America (3 hours)

This course is a survey of human and cultural elements of women's lives in contemporary Latin America. Students explore women's roles in traditional Latin American societies undergoing modernization. Students also examine the issues of development and industrialization felt by Latin American women in both cities and rural areas.

WOMS378 Women and Sports (3 hours)

This course is an interdisciplinary survey of historical and contemporary analysis of women's experiences in sport in the United States as well as globally. Students will explore women in sports of all kinds, and analyze the experiences of a variety of women across the world and how sports has made an impact on their lives to include the development of sports for women in general. The course is designed to include critically reading, discussing and writing about feminist literature and its applicability to women's lives with a particular emphasis on the ways in which gender and sport interacts with race, class, culture, ability, sexual orientation, age and ethnicity. These will be addressed through the lens of gender roles in sports in relation to cultural, legislative issues, the media, political and contemporary issues, and other controversies within our society.

WOMS400 Women of Color: Cross-Cultural Comparison (3 hours)

This course is a global examination of the cultures and ideologies (belief and value systems) of women of color. Topics include specific minority ethnic groups in the United States, Europe, developing countries, and elsewhere throughout the world. The course is designed using a cultural constructionist and systems approach to a global examination and comparison of gender relations. It introduces students to contemporary theoretical perspectives used in the study of culture and gender. The emphasis

will be on developing an understanding of the interrelated nature and stratifying effects of gender, ethnicity, and class in the lives of women both in the United States and globally.

WOMS410 Women and Leadership (3 hours)

This course explores contemporary issues related to leadership in relation to current research in women's studies, to include gender models of leadership. Course topics include styles of leadership, women and competition, sexism in the workplace, and gender communication differences.

Associate of Arts - Business Administration

The Associate of Arts in Business Administration provides exposure to general education and business fundamentals. The program prepares students for entry-level positions in industries and government. The Associate of Arts in Business Administration is a degree option for students who desire only two years of college study. The program also prepares students for entry into baccalaureate degree programs.

Program Objectives:

Students who successfully complete the Associate of Arts in Business Administration will have completed the following objectives:

- Use skills in oral and written communication as well as mathematics, relevant general education coursework, and specific business knowledge in the basics of accounting, economics, management, and marketing.
- Discuss the basic business principles and operations, including management, marketing, and finance.
- Apply critical thinking, problem solving, and team-building skills in a business management environment.
- Examine basic tools for managing in organizations based on a fundamental knowledge of both individual and organizational behavior.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]
- [BUSN100 - Basics of Business](#)
- [ENGL225 - Business Writing](#)
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MKTG201 - Fundamentals of Marketing](#)

And select 2 courses from the following:

- [BUSN299 - Applied Business Solutions](#)
- [ITCC111 - Basic Productivity Applications](#)
- [ITCC112 - Advanced Productivity Applications](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Communication

The Associate of Arts in Communication prepares students for careers in journalism, marketing and public relations, business management, public policy, corporate training, and more. This degree ensures that students will learn about such important communication issues as interpersonal, intercultural and media communication, gender differences in communication, communication ethics, and small group communication. Students in this program are exposed to historical speeches, communication theory, and practical preparation for presentations. Students graduating from this program may apply this degree toward the completion of requirements for any related Bachelor's degree where oral communication is a consideration.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Communication also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of communication, graduates in this degree program will be able to:

- Describe the various theoretical models and separate parts of the communication process.
- Prepare and deliver a presentation appropriate to a selected communication setting or event.
- Articulate the issues relevant to interpersonal and/or intercultural communication.
- Apply relevant techniques to interpersonal and/or intercultural communication.
- Demonstrate knowledge of the history, models, theories, and concepts of mass communication.
- Demonstrate an understanding of the ethics of communication.
- Demonstrate an understanding of the dynamics and processes of small group communication.
- Demonstrate an understanding of the issues and dynamics of communication between genders.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [COMM200 - Public Speaking](#)
- [COMM210 - Communication and Gender](#)
- [COMM220 - Small Group Communication](#)
- [COMM240 - Intercultural Communication](#)
- [COMM250 - Mass Communication](#)
- [COMM280 - Ethics in Communication](#)

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed

above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - Counter Terrorism Studies

In the aftermath of the September 11, 2001 attacks on the United States, there is great discussion about the new methods of terrorism and how to effectively apply counter-terrorism concepts to deal with this international security challenge. Political and military leaders are still grappling with strategies to combat terrorism as witnessed by events throughout the world and daily in Iraq and Afghanistan.

Students in this program will explore the origins of and motivations for terrorism, terrorist strategy, and tactics. Terrorism presents real challenges to government and national security communities due to the many different domestic and international terrorist groups, each with their own leadership, motivations, political objectives, and their own repertoire of tactics. The fact that these groups continue to evolve and mature in their capability means even greater challenges lay ahead for the U.S. military and government agencies involved in combating terrorism and in ensuring national security.

The fully developed degree program at APUS prepares students for the complexities of this field, along with preparation in a number of areas across the counter-terrorism and national security spectrum. In its degree programs, APUS takes an integrated approach that reflects this discipline in its current emergency state.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Counter-Terrorism Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of counter terrorism, graduates in this degree program will be able to:

- Explore the theory and history of terrorism and political violence.
- Identify different domestic and international terrorist groups, their leadership, and their tactics.
- Recognize the motivations of terrorist leaders and their followers.
- Determine the evolving nature of domestic and international terrorism.
- Define government agencies involved in combating terrorism and in ensuring homeland security.
- Describe countermeasures available to U.S. agencies fighting terrorism.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs
General Education Requirements (34 semester hours)
English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature
History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877

HIST102 - American History since 1877

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry

- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS311 - Border and Coastal Security](#)

- [HLSS312 - Port Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL450 - Terrorism and Counterterrorism](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Criminal Justice

The Associate of Arts in Criminal Justice seeks to expand students’ academic and professional development by providing a basic foundation in criminal justice theory and concepts, while developing students’ ability to grasp legal issues, law enforcement objectives, the impact of terrorism, and administration matters. It is designed for students who wish to develop the skills necessary for a career in law enforcement or criminal justice. The program serves to enhance the professional career paths of those already within the discipline, prepares graduates to pursue career opportunities in the criminal justice field, and/or serve as a background for further baccalaureate study.

Program Objectives:

In addition to the institutional and degree level learning outcomes objectives, the Associate of Arts in Criminal Justice seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Examine historical, philosophical, and constitutional perspectives/limitations of law enforcement.
- Describe the collection and preservation of evidence in basic crime scene investigations.
- Identify the origins of modern terrorism, its impact on society, and the impact of cross-cultural communication.
- Differentiate the criminological, sociological, legal, and political influences on the American criminal justice system.
- Restate theories of juvenile delinquency.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (21 semester hours)

- CMRJ100 - Introduction to Law Enforcement
- CMRJ101 - Evidence and Procedures
- CMRJ201 - Criminal Justice Administration
- CMRJ206 - Juvenile Delinquency
- COMM240 - Intercultural Communication
- EDMG230 - Emergency and Disaster Incident Command
- LSTD204 - Introduction to the Courts

Final Program Requirements (3 semester hours)

- CMRJ295 - Criminal Justice Sophomore Seminar (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Associate of Arts - Early Childhood Care and Education

The Associate of Arts degree in Early Childhood Care and Education prepares student-professionals to work with young children in a variety of private and public care and educational settings. This program of study focuses on the fundamentals of early childhood development and the methodologies of planning and implementing programs designed to promote healthy development in children from birth to five years of age.

Completion of this degree does not qualify graduates for teaching licensure or certification.

The Associate of Arts degree in Early Childhood Care and Education provides an ideal academic background for students who wish to pursue the Child Development Associate credential, sponsored by the Council for Professional Recognition. To learn more about this credential, please go to the Child Development Associate website: www.cdacouncil.org.

Program Objectives:

In addition to meeting institutional and general education objectives, the Associate of Arts in Early Childhood Care and Education seeks to prepare its graduates for professional care of children from birth to five years old in a variety of settings via the following program outcomes. Graduates in this degree program will be able to:

- Describe the scope and principal theories of early childhood care and education.
- Describe how existing knowledge and practice in early childhood care and education is tested and revised.
- Use appropriate research documents on early childhood care and education, and cite appropriately.
- Demonstrate the ability to apply concepts learned in the classroom to real-life settings.
- Describe his or her own cultural background and how this background has influenced his or her own beliefs and practices in the field of child development and family studies.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [EDUC111 - Observation Techniques](#)
- [CHFD210 - Childhood Educational Development](#)
- [CHFD212 - Infant and Toddler Programs](#)
- [CHFD225 - Introduction to the American Family](#)
- [CHFD308 - Infant-Toddler Development](#)
- [CHFD312 - Special Needs Students](#)
- [CHFD331 - Parenting](#)

Elective Requirements (3 semester hours)

Students must complete 3 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total= 61 semester hours

Associate of Arts - General Studies

The Associate of Arts in General Studies degree is designed to provide a solid foundation for further academic achievement providing students opportunities to develop knowledge, skills, and abilities that are readily applicable to the student's personal or professional interests. The program also prepares students for entry into baccalaureate degree programs.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in General Studies also seeks the following specific learning outcomes of its graduates:

- Use knowledge across a wide diversity of subjects, views, works, and authors, from which they will have a general academic foundation.
- Identify their personal, academic, and professional/career goals and strategies that are integrated within a meaningful approach to life.
- Read, write, and analyze effectively across a number of disciplines.
- Identify issues and problems, then formulate and frame solutions to these problems.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)

- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)

- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Elective Requirements (24 semester hours)

Students must complete 24 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - History

The Associate of Arts in History is offered to better suit professional aspirations and interests of our students. This degree ensures that students will learn about historical periods across a global perspective. Students in this program are exposed to various pivotal historical events, cultures, and regions. Students graduating from this program may apply this degree toward the completion of requirements for the Bachelor of Arts in History or related degree.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

Select 2 courses from the following:

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization Before The Thirty Years War
- HIST122 - Western Civilization Since Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

And select 2 courses from the following:

- ARTH210 - American Art
- ARTH221 - American Architecture
- ARTH230 - Ancient and Medieval Art
- ARTH231 - Renaissance to Modern Art

And select 2 courses from the following:

- [HIST213 - History of Women in the United States](#)
- [HIST214 - History of Latinos in the United States](#)
- [IRLS220 - African Peoples and Cultures](#)
- [IRLS240 - European Peoples and Cultures](#)
- [IRLS260 - Middle Eastern Culture](#)

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - Hospitality

The Associate of Arts in Hospitality provides students a general basis in fundamental restaurant operations. Students are exposed to several facets of this challenging career including purchasing and storage, food service sanitation, food preparation, legal aspects and insurance, and marketing and sales.

Program Objectives:

Students who successfully complete the Associate of Arts in Hospitality will have achieve the following objectives:

- Describe the career opportunities and future industry growth forecasts as they relate to the different segments of the Hospitality Industry.
- Demonstrate food safety practices that will ensure safe food production from purchase to service.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Implement strategies to effectively manage and improve restaurant performance, based on operational theory and procedures.
- Analyze hospitality operation processes and attributes and the legal implication of proper or improper management.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (12 semester hours)

- HOSP100 - Introduction to Hospitality Management
- HOSP203 - Hotel and Restaurant Purchasing
- HOSP204 - Introduction to Hotel and Restaurant Law
- HOSP303- Hospitality Marketing

Concentration in Restaurant Operations Requirements (9 semester hours)

- HOSP101 - Foodservice Sanitation
- HOSP200 - Food and Beverage Management

And select 1 course from the following:

- HOSP202 - Quantity Food Preparation
- HOSP307 - Principles of Cost Control in Foodservice Operations
- HOSP315 - Dining: A Consumer Perspective

Final Program Requirements (3 semester hours)

- [HOSP295 - Restaurant Operations Seminar](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Management

The Associates of Arts in Management lays the foundation by introducing students to the theoretical concepts and practical applications in the field of management. Students will explore the skill sets necessary to effectively lead and manage a global workforce. Topics of study include ethics, management communications, human resources management, supervision, human resource development, organizational behavior, and human relations. Successful completion of the program prepares graduates for entry-level supervisory positions and responsibilities.

Program Objectives:

Students who successfully complete the Associate of Arts in Management will have completed the following objectives:

- Demonstrate critical thinking, problem solving and communication skills necessary to be a successful supervisor in a business environment.
- Explain key concepts, methods and practices for managing human capital in an organization.
- Compare and contrast ethical theories as they relate to organizational and individual behavior.
- Prepare a development program for a potential direct report.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

ARAB100 - Arabic I

- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (12 semester hours)

- [ECON101 - Microeconomics](#)
- [MGMT100 - Human Relations](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MGMT200 - Ethics Fundamentals](#)

Concentration in Human Resources (9 semester hours)

This concentration is designed to offer a practical base of knowledge that prepares students to deal with the complexities and challenges of managing today's global workforce. Topics of study include recruitment, selection, team dynamics, ethics, performance management, compensation, benefits, labor and employee relations, and policy and records management.

Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts, Human Resources concentration, also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Human Resources, graduates in this degree program will be able to:

- Supervise people in the workforce environment.
- List the necessary steps to take in the recruiting, grievance and corrective action processes.
- Communicate an organization's mission, vision, goals and objectives to direct reports.
- Discuss the challenges that human resources face in modern organizations.
- Describe team-management skills with a focus on the group dynamics and ethics of an increasingly diverse workforce.

Concentration Requirements (9 semester hours)

- [HRMT200 - Human Resource Fundamentals](#)

Select 2 courses from the following:

- [HRMT201 - Employee Training and Development](#)
- [HRMT202 - Interviewing Fundamentals](#)
- [MGMT201 - Organizational Fundamentals](#)

Concentration in Retail Management (9 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to become effective retail managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate retail management practices.

Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Management, Retail Management concentration, also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program will be able to:

- Explain the functions and applications of various retail management processes in the areas of store operations.
- Assess the needs of today's retail managers in the use of information technology, financial resources, and human resources in the retail workplace.
- Apply retail managerial concepts to issues impacting the effectiveness of retail managers in today's competitive and global organizations.
- Recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global retail environment.

Concentration Requirements (9 semester hours)

- [RTMG150 - Retail Organization Fundamentals](#)

Select 2 courses from the following:

- [RTMG200 - Customer Relations](#)
- [RTMG201 - Retail Inventory Management](#)
- [RTMG202 - Risk Management](#)
- [RTMG203 - Commercial Safety](#)
- [RTMG204 - Finance Fundamentals](#)

Final Program Requirement (3 semester hours)

- [MGMT295 - Management Seminar](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Military History

The Associate of Arts in Military History degree ensures that students will learn about warfare from ancient times to the present and the patterns of western ways of war. Students in this program are exposed to how warfighting and foreign policy are related as well as military service histories. Students graduating from this program may apply this degree toward the completion of requirements for the Bachelor of Arts in Military History or related degree.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Military History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- IRLS214 - American Foreign Policy
- MILH201 - Introduction to Military History
- MILH202 - Survey of American Military History
- MILH221 - War from Antiquity to 1700
- MILH222 - War from 1700 to the Present

And select 1 course from the following:

- HIST101 - American History to 1877
- HIST102 - American History since 1877

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 61 semester hours

Associate of Arts - Real Estate Studies

The Associate of Arts in Real Estate Studies provides a general basis in fundamental business skills for students considering a business career. For students planning to enter one of several real estate-specific career fields upon graduation, the program examines the basic experience, education and licensing requirements as well as personal attributes required to succeed in these career areas. These careers include real estate salesperson/broker, residential real property inspector, real property appraiser, mortgage broker/loan officer, or property manager.

Program Objectives:

Students who successfully complete the Associate of Arts in Real Estate Studies will have completed the following objectives:

- Discuss career opportunities that exist in the real estate industry and the personal, educational, experiential and licensing requirements that pertain to each.
- Identify broad perspectives on the principles, practices, legal and ethical issues that are important to successful practitioners of each type of real estate career.
- Apply specific skill sets important to each area of real estate practice including financial analysis, property appraisal, internet based marketing and research, contract negotiation, investment evaluation, personal marketing, time management and organizational skills, etc.
- Examine requirements to qualify for any licensing exams and/or other entry requirements (in the state(s) they plan to practice) pertinent to the area of real state that they identify as of interest.
- Develop clear strategies, goals and objectives, and action plans to launch a successful real estate career upon graduation, discharge or retirement.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (24 semester hours)

- ACCT100 - Accounting I [Prerequisite: MATH110 - College Algebra]
- BUSN100 - Basics of Business
- BUSN120 - Real Estate Principles
- BUSN121 - Real Estate Practice
- BUSN220 - Real Estate Finance
- BUSN221 - Real Estate Appraisal
- BUSN222 - Real Estate Property Management
- LSTD202 - Real Estate Law

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Retail Management

The Associate of Arts in Retail Management will provide the basic skills needed to effectively manage a variety of retail organizations. By developing management skills directly related to the retail industry, this program is designed for students who wish to develop the skills necessary to become successful retail managers. This program serves to enhance the professional career paths of those already within the discipline, prepares graduates to pursue career opportunities in the retail management field, and/or serves as a background for further baccalaureate study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of retail management, graduates in this degree program will be able to:

- Examine the functions and applications of various management processes in the areas of planning, organizing, staffing, directing, leading, and controlling in Retail Management.
- Use the needs of today's retail managers in assessing and implementing strategies employed in the management of information technology, financial, and human resources in the workplace.
- Analyze the impact of legal, social, political, economic, technological, and environmental issues in relation to organizational behavior.
- Apply managerial concepts to strategic decisions impacting the effectiveness of retail managers in today's competitive and global organizations.
- Recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global environment.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (12 semester hours)

- [RTMG150 - Retail Organization Fundamentals](#) (students taking this course cannot also take [MGMT201 - Organizational Fundamentals](#))
- [RTMG200 - Customer Relations](#)
- [RTMG201 - Retail Inventory Management](#)
- [RTMG204 - Finance Fundamentals](#)

Major Requirements (9 semester hours)

Select 3 courses from the following:

- [HOSP101 - Foodservice Sanitation](#)

- [HRMT200 - Human Resource Fundamentals](#)
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [RTMG202 - Risk Management](#)
- [RTMG203 - Commercial Safety](#)
- [TLMT200 - Retail Shipping and Receiving](#)
- [TLMT201 - Retail Transportation](#)

Final Program Requirements (3 semester hours)

- [RTMG295 - Retail Management Seminar](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Arts - Weapons of Mass Destruction Preparedness

In the aftermath of the September 11, 2001 attacks on the United States, there is great discussion about the new methods of terrorism and how to effectively counter the threat posed by terrorist groups armed with weapons of mass destruction. Political and military leaders are still grappling with strategies to combat the terrorism as witnessed by events around the world and daily in Iraq and Afghanistan.

Students in this program will explore the motivations for terrorism, terrorist strategy and tactics and the implications of terrorist use of weapons of mass destruction. Terrorism presents real challenges to government and national security communities due to the many different domestic and international terrorist groups, each with their own leadership, motivations, political objectives, and their own repertoire of tactics. The fact that these groups continue to evolve and mature in their capability means even greater challenges lay ahead for the U.S. military and government agencies involved in combating terrorism and in ensuring national security.

The fully developed degree program at APUS prepares students for the complexities of this field, along with preparation in a number of areas across the spectrum of weapons of mass destruction, counter terrorism and national security. In its degree programs, APUS takes an integrated approach that reflects this discipline in its current emergency state.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Arts in Weapons of Mass Destruction Preparedness also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of weapons of mass destruction, graduates in this degree program will be able to:

- Recognize the threat to the U.S. posed by both domestic and international terrorist groups and state actors armed with weapons of mass destruction.
- Describe the threat posed to society by chemical agents.
- Relate the threat posed to society by biological agents.
- Identify the threat posed to society by radiological and nuclear terrorism.
- Review the use of detection and monitoring equipment and personal protection and decontamination practices for the first responder.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS215 - Regulatory Issues in Weapons of Mass Destruction](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)

- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 61 semester hours

Associate of Science - Accounting

This program is for those students who want to enter the business world as an entrepreneur or manager of a small business. An Associate of Science in Accounting prepares students for entry-level positions in bookkeeping, accounting, and auditing. The curriculum provides a solid foundation in business strategy, financial statements, cost information, economics, management, and ethical issues. Students will be presented the various financial statements and learn how to record, present, and analyze financial data.

Program Objectives:

Students who successfully complete the Associate of Science in Accounting will achieve the following objectives:

- Describe the general role of accounting in business in relation to its use by managers, investors, businesses, and regulatory agencies.
- List Generally Accepted Accounting Principles (GAAP) and recall how GAAP is established.
- Utilize the steps in the accounting cycle to prepare financial statements from raw financial data.
- Complete accounting analyses and explain how this information is used to assist in making managerial decisions and controlling the financial aspects of business operations.
- Recognize the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Discuss basic business and economic terms and concepts.
- Employ office productivity applications to create business and accounting related reports and presentations.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)

- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I

- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [ITCC111 - Basic Productivity Applications](#)

Elective Requirements (3 semester hours)

Students must complete 3 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Science - Computer Applications

The Associate of Science in Computer Applications Program fills the need in the Information Technology marketplace for entry-level application development professionals and for foundational education in application development. This program focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with application development. This program produces academically sound entry-level application development professionals with the necessary foundation to be productive in the IT industry.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Computer Applications Program also seeks the following specific learning outcomes of its graduates:

- Appraise the major concepts behind computers, computer algorithms, and computer literacy.
- Analyze business environments and use Microsoft Office applications such as Word, Excel, PowerPoint, and Access to perform information processing tasks.
- Distinguish between the various diagrams in the Unified Modeling Language (UML).
- Assess the process for designing and developing software and evaluate the benefits of modularization of software.
- Profile the purpose, audience, scope, structure, and format of key IT documents and appraise the appropriateness of a document to the particular writing/research goal.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- ENTD200 - Fundamentals of Programming
- ENTD211 - Introduction to Software Design
- ITCC111 - Basic Productivity Applications
- ITCC112 - Advanced Productivity Applications
- ITCC121 - Introduction to Computer Science
- ITCC231 - Introduction to Information Technology Writing

Elective Requirements (3 semester hours)

Students must complete 3 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Science - Database Application Development

The Associate of Science in Database Application Development Program focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with database application development. This program produces academically sound and functionally competent database professionals with the necessary foundation to be productive in the IT industry. This program is market driven; it prepares learners to exploit the high demand for database professionals in various industry sectors.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Database Application Development Program also seeks the following specific learning outcomes of its graduates:

- Appraise the principles for designing relational database systems.
- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy database applications.
- Analyze the information needs and develop entity relationship models that represent the relationships and the cardinality in an information system.
- Investigate the first, second, and third normal forms of a database.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calcululus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (15 semester hours)

- [INFO111 - Enterprise Data Presentation with Crystal Reports](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, or INFO171 - Relational Databases with Oracle: SQL Introduction, or INFO221 - Relational Database Concepts]
- [INFO161 - Relational Databases with Microsoft Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with Microsoft Access: Advanced](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction]
- [INFO262 - Relational Databases with Microsoft Access: Project](#) [Prerequisite: INFO221 - Relational Database Concepts and INFO261 - Relational Databases with MS Access: Advanced]

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Science - Explosive Ordnance Disposal

The Associate of Science in Explosive Ordnance Disposal degree is designed to meet the education requirements for students of explosive ordnance disposal. Graduates may apply the degree toward professional advancement or choose to pursue further study. In addition to becoming familiar with the history of explosives, explosive ordnance disposal concepts, and the science behind explosive devices, the student will also learn about emergency response to terrorist incidents and national security.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Explosive Ordnance Disposal seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of explosive ordnance disposal, graduates in this degree program will be able to:

- Describe specific dates in relation to discovery, invention, and use of various explosives.
- Discuss the history and background of electricity and electronics as typically found in hazardous devices.
- List important scientists and inventors who played essential roles in explosives development.
- Explain the safety precautions to observe when conducting operations involving hazardous devices that incorporate energy bombs and electromagnetic pulse devices.
- Restate the principles and theories of fundamental concepts of electricity, physics, and chemistry as they apply to explosive devices.
- Interpret circuit components most commonly used in hazardous devices.
- Recognize hazardous device electronic diagrams.
- Summarize the operations and methods used during ordnance and emergency responses.
- Describe the safety precautions used when handling explosives.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (20 semester hours)

- [HLSS230 - Chemistry of Explosives](#)
- [HLSS231 - History of Explosive Ordnance Disposal](#)
- [HLSS232 - Electronics, Electricity and Explosives](#)
- [HLSS233 - Explosive Incident Assessment: Methods, Practices and Protocols](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)

Final Program Requirements (3 semester hours)

- [EXOD299 - Sophomore Seminar in Explosive Ordnance Disposal](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)
There are no elective requirements for this degree.

Total = 64 semester hours

Associate of Science - Fire Science

The Associate of Science in Fire Science provides students with the foundation for beginning practice in the Fire Science profession, as well as a springboard to additional study at the baccalaureate level.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Fire Science also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Describe the historical development of fire protection and response from its origins through contemporary times.
- Identify and differentiate the various forms of fire, their fundamental scientific principles, and their associated mitigation and response strategies.
- Describe the legal and regulatory duties and responsibilities of the fire department as a public organization.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)

CHIN100 - Chinese I (Mandarin)

- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab

- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [FSMT102 - Fire Behavior and Combustion](#)
- [FSMT188 - Fire Prevention](#)
- [FSMT201 - Fire Protection Systems](#)
- [FSMT210 - Fundamentals of Fire Protection](#)
- [FSMT287 - Fire Protection in Building Construction](#)
- [FSMT289 - Fire Protection Hydraulics and Water Supply](#)

Final Program Requirements (3 semester hours)

- [FSMT299 - Sophomore Seminar in Fire Science](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Paralegal Studies

The Associate of Science in Paralegal Studies prepares students for paraprofessional positions in the legal field. Graduates may use their degree to obtain an immediate position in the field or choose to pursue further study. Students pursuing an Associate of Science in Paralegal Studies must obtain specific skill sets before being eligible for graduation. In addition to becoming familiar with basic principles of the law, students will also acquire analytical, technical, and communication skills.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Paralegal Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of paralegal studies, graduates in this degree program will be able to:

- Apply legal research methods and techniques that are used in the practice of law.
- Develop skills in legal reasoning, in identifying and effectively using legal resources and in writing legal documents.
- Evaluate the importance of secondary sources in legal research.
- Describe the primary rules and sources and roles of each in legal research.
- Distinguish how advice, persuasion, and advocacy enter into legal research.
- Demonstrate knowledge of the nature, function, principles, and concepts as they relate to the paralegal and apply critical legal thinking and analytical skills to resolve typical situations or facts.
- Comprehend and describe what a paralegal is and how one fits into the legal system.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (18 semester hours)

- [LSTD100 - Introduction to Law for Paralegals](#)
- [LSTD201 - Litigation](#)
- [LSTD202 - Real Estate Law](#)
- [LSTD203 - Criminal Law and Procedure for the Paralegal](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD210 - Legal Ethics](#)

Final Program Requirements (3 semester hours)

- [LSTD299 - Sophomore Seminar in Paralegal Studies](#) (to be taken as the last course before graduation)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Public Health

The Associate of Science in Public Health will serve those professionals who wish to gain an entry-level position in public health and health services administration professions in a limited or technical manner. Graduates would be able to continue and earn a Bachelor of Science in Public Health to raise their employability in the profession.

Program Objectives:

In addition to the institutional and general education learning level objectives, the Associate of Science in Public Health also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to serve as practicing Public Health Professionals and:

- Explain how and why they are a part of a global community and how the health of one nation or community affects the planet as a whole.
- Explain why the profession of public health is dynamic, political, and controversial. To face health issues, a professional must define the public as diverse with many views, beliefs, values and concerns.
- Possess the training and competence in the use of technologies to deliver health care services to their communities.
- Choose and use the appropriate policies, educational programs, and incentives to develop and maintain individual and community lifestyles that promote optimal health.
- Develop a continuum of supportive public health services appropriate for their community.
- Resolve conflicts over public health and health care issues.
- Ensure that the findings of current public health research are communicated to their communities in an appropriate manner.
- Assure communities of the right to receive sufficient information from suppliers of health care technologies, health care providers, and relevant governmental agencies.
- Explain and assist in the development of a safe community environment.
- Maintain involvement with their communities to assure appropriate education regarding public health matters.
- Maintain the utmost ethical standards in their personal and professional conduct.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors

- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [COMM285 - Interpersonal Communications](#)
- [MGMT312 - Leadership & Motivation](#)
- [PBHE112 - Health Services Organization](#)
- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PHIL200 - Introduction to Ethics](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)

Elective Requirements (0 semester hours)

There are no elective requirements for this degree.

Total = 62 semester hours

Associate of Science - Web Publishing

The explosive growth of the Internet has generated a significant need for Web Publishing professionals and consequently for education in Web Publishing. The Associate of Science in Web Publishing Program fills this educational need; it focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with the World Wide Web and with Web Publishing. This program produces academically sound and functionally competent Web Publishing professionals with the necessary foundation to be productive in the IT industry. This program is market driven; it prepares learners to exploit the high demand for Web Publishing professionals in various industry sectors.

Program Objectives:

In addition to the institutional and general education level learning objectives, the Associate of Science in Web Publishing Program also seeks the following specific learning outcomes of its graduates:

- Assess the architecture, protocols, tools, and techniques on the Internet and the World Wide Web.
- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Web Publishing solutions.
- Examine the foundational principles and concepts of object-oriented programming (OOP).
- Evaluate the principles of design and analyze the process for building web sites.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (15 semester hours)

- DSIN121 - Web Page and Web Site Design
- WEBD121 - Web Development Fundamentals
- WEBD241 - Web Development using JavaScript
- WEBD242 - Web Development using XHTML
- WEBD262 - Web Development using DreamWeaver

Elective Requirements (6 semester hours)

Students must complete 6 semester hours comprised of lower (100-200) level courses not taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.

Total = 62 semester hours

Associate of Applied Science - Health Sciences

The Associate of Applied Science in Health Sciences is intended for military personnel who have completed training in the Medical and Health Sciences. Students must be an active, guard, reserve, veteran or retired member of the military. The purpose of this degree program is to provide students with basic general education skills to complement their military medical science training as Medical Assistants, Laboratory Technicians, Dental Assistants, and numerous other medical services related occupations. In addition, this degree program will prepare students for further education in the future.

This program has special admission requirements.

Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will NOT be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

Program Objectives:

Students who successfully complete the Associate of Applied Science in Health Sciences will have completed the following objectives:

- Apply learning practices from health sciences training to associate degree level education courses.
- Demonstrate effective verbal and written communication skills.
- Integrate concepts from military health sciences training with broader general education knowledge acquired at APUS.
- Demonstrate a commitment to learning and broadening skills to become eligible for increased responsibility and advancement in military medical services.
- Demonstrate interest in pursuing higher learning opportunities generated by successful completion of the Associate in Applied Science degree.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (12 semester hours)

Communications - 6 semester hours
<ul style="list-style-type: none">• COMM200 - Public Speaking• COMM240 - Intercultural Communication• COMM285 - Interpersonal Communications• ENGL101 - Proficiency in Writing [Required]• ENGL200 - Composition and Literature

Mathematics - 3 semester hours
<ul style="list-style-type: none">• MATH110 - College Algebra• MATH111 - College Trigonometry

- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Social Sciences - 3 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Major Requirements (30 semester hours)

Military health-related courses, completed at the Medical Education and Training Campus (METC), Ft. Sam Houston, TX. Up to all 30 semester hours can be transferred based on METC course completion.

Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will NOT be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

And select from the following APUS courses to fulfill any of the 30 semester hours remaining:

- [SCIN130 - Introduction to Biology with Lab](#) (4 hours)
- [SCIN131 - Introduction to Chemistry with Lab](#) (4 hours)
- [SCIN132 - Human Anatomy and Physiology with Lab](#) (4 hours)
- [SCIN133 - Introduction to Physics with Lab](#) (4 hours)
- [SCIN139 - Introduction to Human Ecology with Lab](#) (4 hours)
- [SCIN202 Introduction to Microbiology](#) (3 hours) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN211 Principles of Genetics](#) (4 hours) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN360 Advanced Human Anatomy and Physiology](#) (3 hours) [Prerequisite: SCIN132 - Human Anatomy and Physiology with Lab]

Elective Requirements (15 semester hours)

Elective courses may be completed by military training courses recognized by the American Council on Education, college transfer courses, national tests, or courses completed through American Military University or American Public University.

Total = 60 semester hours

Bachelor of Business Administration

This degree program is professionally focused degree and is designed to produce graduates who possess practical knowledge and associated critical thinking skills desired in today's competitive business world. Students will be grounded in the study of business through a core curriculum of management, information systems, marketing, law, finance, accounting, economics, and business strategy. They are also given the opportunity to pursue interesting specializations in areas of their choice including business analysis, entrepreneurial/small business, international business management, information technology management, and marketing. This degree is applicable for any student interested in or working in any number of business, government, military, or other professions.

Statement of Mission - School of Business

APUS' School of Business mission is to prepare students to be principled leaders in the global business community through a flexible learning environment that leverages technology and best practices focused on the practical application of knowledge.

Priorities:

- Curriculum: Provide a well-rounded curriculum that blends practical, real-world application and theoretical aspects of business and economics in a global context.
- Teaching: Foster understanding through strategic goals, quality instruction, and continuous evaluation by faculty who are real-world practitioners and scholars.
- Student Interaction: Encourage students to reach their highest potential through collaborative relationships that motivate and sustain growth individually and organizationally.
- Learning Outcomes: Build competencies in effective communication, critical thinking, quantitative experience, knowledge-based decision making, and ethical behavior.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of business administration, graduates in this degree program will be able to accomplish the following:

- Explain and apply fundamental accounting and financial management operations to enhance business decision-making processes.
- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply management, human resource, and personnel practices to organizational problem solving.
- Integrate market and marketing information into a strategic plan.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to business situations.
- Articulate the external and internal environments of a business organization and formulate appropriate strategies in the context of competitive forces and environmental factors.
- Collect information through the use of various data tools and apply critical thinking concepts to enhance business problem solving capabilities.
- Describe how information systems transform business processes within the modern corporate organization.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (39 semester hours)

- ACCT100 - Accounting I [Prerequisite: MATH110 - College Algebra]
- ACCT101 - Accounting II [Prerequisite: ACCT100 - Accounting I]
- BUSN100 - Basics of Business
- BUSN311 - Law and Ethics in the Business Environment
- BUSN312 - Operations Research [Prerequisite: MATH110 - College Algebra or MATH225 - Calculus]
- BUSN313 - Global and Competitive Strategy
- BUSN410 - Critical Thinking Strategies for Business Decisions
- ECON201 - Microeconomics for Business
- ECON202 - Macroeconomics for Business
- FINC300 - Foundations of Financial Management
- MATH302 - Statistics [Prerequisite: MATH110 - College Algebra or MATH111 - College Trigonometry or MATH225 - Calculus]
- MGMT101 - Principles of Supervision [Prerequisite: ENGL101 - Proficiency in Writing]
- MKTG201 - Fundamentals of Marketing

Students must choose a concentration for this degree program and may select from a General Concentration, Business Analysis, Economics, Entrepreneurial/Small Business Management, Information Technology Management, International Business Management or a Concentration in Marketing.

General Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- BUSN316 - Fundamentals of Entrepreneurship
- BUSN318 - Small Business Management
- BUSN320 - Principles of E Business
- BUSN330 - Fundamentals of Business Analysis I
- BUSN331 - Fundamentals of Business Analysis II
- BUSN332 - Business Use Cases
- BUSN333 - Project Management for Business Analysts
- BUSN412 - Quality Management Systems
- BUSN415 - Small Business Growth and Development
- BUSN419 - International Business Management
- BUSN490 - Business Administration Independent Study
- ECON301 - Comparative Economics
- ECON302 - Environmental Economics
- ECON303 - International Economics
- ECON304 - Monetary Economics
- ENTR311 - Business Plan Foundations
- FINC410 - International Finance
- HRMT427 - International Human Resource Management

- [ITCC200 - Application Software Integration](#)
- [ITMG321 - Information Technology Project Management](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG421 - Virtual Management](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)
- [MKTG407 - International Marketing](#)
- [WEBD311 - Internet Concepts](#)

Concentration in Business Analysis (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Business Analysis seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.
- Evaluate and recommend business solutions.
- Develop business processes and improvements.
- Develop functional business capabilities.
- Facilitate and manage recommended projects.

Concentration Requirements (12 semester hours)

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)

Concentration in Economics (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Economics seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Evaluate analytical frameworks for current and changing economic conditions.
- Analyze the impact of economic externalities for business and proposed business ventures
- Evaluate impacts of economic conditions on consumer behavior and businesses.
- Compare and contrast global economic strategies.
- Analyze the roles and responsibilities of financial institutions.

Concentration Requirements 12 semester hours

- [ECON301 - Comparative Economics](#)
- [ECON302 - Environmental Economics](#)
- [ECON303 - International Economics](#)
- [ECON304 - Monetary Economics](#)

Concentration in Entrepreneurial/Small Business Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Entrepreneurial/Small Business Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Examine small business opportunities.
- Define small business characteristics and competencies.
- Evaluate consumer behavior.
- Develop product and pricing strategies.
- Develop and execute small business budgets.

Concentration Requirements (12 semester hours)

- [BUSN316 - Fundamentals of Entrepreneurship](#)
- [BUSN318 - Small Business Management](#)
- [BUSN415 - Small Business Growth and Development](#)
- [ENTR311 - Business Plan Foundations](#)

Concentration in Information Technology Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Information Technology Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Examine Internet protocols, middleware, interfaces, security, and applications.
- Evaluate workplace productivity, legal ramifications, and policies related to Internet access.
- Outline the process and the phases pertaining to managing information systems projects.
- Appraise the technology, communications, and policy issues related to managing virtual teams.

Concentration Requirements (12 semester hours):

- [ITMG321 - Information Technology Project Management](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG421 - Virtual Management](#)
- [WEBD311 - Internet Concepts](#)

Concentration in International Business Management (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in International Business Management seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Compare and contrast the management strategies around the world.
- Examine the challenges of managing multicultural and distributed teams.
- Appraise the roles and responsibilities of the Human Resource Manager in the context of an international workforce.
- Analyze the interactions and trends between the world economies; also assess the tools and techniques used to mitigate financial risk in conducting international business.
- Evaluate the tools, methods, and practices of marketing in the global context.

Concentration Requirements (12 semester hours)

- [BUSN419 - International Business Management](#)
- [FINC410 - International Finance](#)
- [HRMT427 - International Human Resource Management](#)
- [MKTG407 - International Marketing](#)

Concentration in Marketing (12 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Marketing seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Develop a strategic marketing plan.
- Apply concepts in psychology and sociology relevant to consumer behavior.
- Analyze business markets, customer markets, and buyer markets using concepts and techniques of research for marketing decisions including problem definition, research objectives, execution and research management, and presentation of findings.

Concentration Requirements (12 semester hours)

- [BUSN320 - Principles of E Business](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)

Final Program Requirements (3 semester hours)

- [BUSN499 - Senior Seminar in Business Administration](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Criminal Justice

This degree program prepares students for a wide range of careers within the criminal justice field, and at the same time, enhances the professional career paths of those already within the discipline. The degree program's interdisciplinary approach provides students with a sound knowledge base in the areas of U.S. law enforcement, criminology, investigations, law, and community relations. A wide range of course offerings further enable students to focus on juvenile issues, causes of crime and criminal behavior, corrections and incarceration, investigative procedures/techniques, and forensics. For those students interested, concentrations in Organizational Law Enforcement Leadership and Maritime Law Enforcement are available. The curriculum also provides the background and educational experience necessary for those who may wish to later pursue graduate study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Criminal Justice also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of criminal justice, graduates in this degree program will be able to:

Criminal Justice Administration and Organization

- Recognize and explain the major international, U.S., and localized law enforcement systems and organization.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.

Criminal Justice Theories and Concepts

- Communicate and apply the major theories and concepts of crime, criminal justice, and criminology.
- Conduct research associated with criminal justice and criminology theories.

Criminal Justice Operations, Practices, and Processes

- Assess the operations, practices, and processes associated with leading standards of evidence and law.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [CMRJ201 - Criminal Justice Administration](#)

CMRJ300 - Research Methods of Criminal Justice and Security

- CMRJ302 - U.S. Law Enforcement
- CMRJ303 - Criminology
- CMRJ306 - Criminal Investigation
- CMRJ308 - Ethics in Criminal Justice
- CMRJ316 - Corrections and Incarceration
- LSTD301 - Constitutional Law
- LSTD302 - Criminal Law
- LSTD400 - Criminal Legal Process

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Maritime Law Enforcement, or the Concentration in Organizational Law Enforcement Leadership.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- ANTH203 - Introduction to Forensic Anthropology
- CMRJ100 - Introduction to Law Enforcement
- CMRJ101 - Evidence and Procedures
- CMRJ202 - Stress Management in Law Enforcement
- CMRJ203 - Patrol Methodologies and Community Policing
- CMRJ205 - Rape and Sexual Violence
- CMRJ206 - Juvenile Delinquency
- CMRJ285 - Rehabilitation, Reentry, and Reintegration
- CMRJ310 - Drug Dynamics in Criminal Justice
- CMRJ314 - Contemporary Criminal Justice Issues
- CMRJ317 - Probation and Parole
- CMRJ320 - Law Enforcement Intelligence Applications
- CMRJ322 - Crime and the Family
- CMRJ324 - The History of Organized Crime
- CMRJ327 - Gang Theory, Practice, & Suppression
- CMRJ329 - Criminal Profiling
- CMRJ335 - Crime Analysis
- CMRJ341 - Criminalistics
- CMRJ400 - Crime and the Media
- CMRJ401 - Human Trafficking
- CMRJ402 - The Pathology of Death Investigations
- CMRJ490 - Independent Study: Criminal Justice
- COMM240 - Intercultural Communication
- COMM285 - Interpersonal Communications
- INTL411 - International Crime Organizations
- INTL431 - Criminal Intelligence Analysis
- LSTD204 - Introduction to the Courts
- LSTD453 - Evidence
- SCMT319 - Global Terrorism
- SCMT370 - Principles and Theory of Security Issues

Concentration in Maritime Law Enforcement (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze various policy and operational strategies used to ensure the security of border and coastal access.
- Examine ports to trade and their vulnerability to disruption and attack, as well as defensive measures to protect ports from disruption.
- Identify chemical, biological, and radiological bases for classification of, and emergency response to incidents involving, hazardous material.
- Assess the impact of terrorism on U.S. national security.
- Explore the laws and doctrines governing navigation and shipping, as well as the law of the sea.

Concentration Requirements (15 semester hours)

- [EDMG240 - Chemistry of Hazardous Materials](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [LSTD401 - Maritime Law](#)

Concentration in Organizational Law Enforcement Leadership (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify your personal leadership style and explain the benefits of your leadership style on the organization.
- Analyze necessary organizational leadership skills in given situations and prepare a plan of action for improving organizational leadership abilities.
- Contrast the value of diversity and apply its strengths in leadership roles.
- Develop critical thinking skills about decisions in a manner that is socially responsible and responsive.
- Demonstrate a persuasive and collaborative approach which encourages a teaming environment.
- Employ organizational accountability to build innovative organizations that respond to ever changing environments.

Concentration Requirements (15 semester hours)

- [FINC405 - Budget Development and Execution](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [MGMT312 - Leadership & Motivation](#)
- [MGMT313 - Organizational Change](#)

Final Program Requirements (3 semester hours)

- [CMRJ499 - Senior Seminar in Criminal Justice](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Emergency and Disaster Management

The nature of disasters and large-scale catastrophic events requires professionals with a background and education in dealing with natural and man-made hazards. This degree prepares students for careers in emergency management and public safety careers. From the smallest incident to the largest catastrophe, our emergency and disaster management stresses the fact that “all disasters are local,” which is a foundational emergency management concept. In addition, we introduce our students to the all-hazards approach, emergency and disaster management phases, risk assessment, prevention and management, counter-terrorism, consequence management, mitigation, and recovery.

Emergency and disaster management faculty has credentials in antiterrorism, forensics, explosives ordnance disposal, pre-disaster mitigation, planning, response to natural disasters, rapid deployment, fire services at local, tribal, and state levels, as well as at the national level. Many faculty members are board-certified emergency managers (CEM) through the International Association of Emergency Managers (IAEM). In addition, many adjunct faculty serve in key positions at the U.S. Department of Homeland Security, State Department, Federal Bureau of Investigation, National Fire Academy, Transportation Security Administration, and the Federal Emergency Management Agency. Our Emergency and Disaster Management program is recognized by the Foundation of Higher Education for Disaster and Emergency Management and Homeland Security. We are the first 100% on-line institution to receive this important distinction.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Emergency and Disaster Management also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Identify the goals of disaster management from prevention/reduction of loss due to hazards, disasters, and emergencies.
- Differentiate between response strategies for the various emergency and disaster incidents.
- Examine the phases of the cycle of disasters.
- Compare and contrast the roles and responsibilities of the individuals and agencies in an emergency and disaster incident.
- Analyze factors and coping strategies involved in emergencies and disasters.
- Demonstrate emergency and disaster preparedness from planning to recovery.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (31 semester hours)

- COLL300 - Research, Analysis, and Writing
- EDMG101 - Introduction to Emergency Management
- EDMG220 - Emergency Planning
- EDMG230 - Emergency and Disaster Incident Command
- EDMG320 - Natural Disaster Management
- EDMG340 - Consequence Management
- PBHE413 - Special Operations in Emergency Medical Services
- POLS410 - Public Policy
- PSYC431 - Psychology of Disaster
- SCIN137 - Introduction to Meteorology with Lab

Major Requirements (12 semester hours)

Select 4 courses from the following:

- EDMG240 - Chemistry of Hazardous Materials
- EDMG259 - Hazard Mitigation and Preparedness
- EDMG321 - Social Media Applications to Emergency and Disaster Management
- EDMG420 - Risk Communications
- HLSS154 - Mind of a Terrorist
- HLSS211 - Emergency Response to Terrorism
- HLSS212 - Chemical, Biological, and Radiological Hazards
- HLSS215 - Regulatory Issues in Weapons of Mass Destruction
- HLSS230 - Chemistry of Explosives
- HLSS231 - History of Explosive Ordnance Disposal
- HLSS232 - Electronics, Electricity, and Explosives
- HLSS233 - Explosive Incident Assessment: Methods, Practices, Protocols
- HLSS234 - Organization for Explosive Ordnance Disposal
- HLSS302 - Introduction to Homeland Security and Defense
- HLSS311 - Border and Coastal Security
- HLSS312 - Port Security
- PBHE426 - Quarantine
- TLMT381 - Hazardous Materials Management

Final Program Requirements (3 semester hours)

- EDMG498 - Senior Seminar in Emergency and Disaster Management [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Arts in English

Students in this program learn to organize thoughts and ideas and express them with eloquence and clarity as they explore English, American, and World Literature. Students graduating from this program apply their skills and abilities in professions requiring exceptional communication skills such as public relations, editing, writing, desktop publishing, reporting, legal and research assistance.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in English also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of English, graduates in this degree program will be able to:

Expression and Communication

- Demonstrate the ability to effectively express ideas and evidence in writing.
- Discuss representative literary texts and critical theory to enhance a life-long learning process.
- Conduct an analysis of a literary work and discuss the history and characteristics of various periods and genres.
- Analyze written materials and examine the relevance of multiple interpretations in a diverse society.
- Demonstrate knowledge of literature in the British and American canon and beyond, in order to apply their interpretations against their own cultural experience.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (30 semester hours)

- COLL300 - Research, Analysis, and Writing
- ENGL230 - Introduction to Linguistics
- ENGL401 - History of the English Language
- LITR310 - British Fiction
- LITR316 - British Poetry
- LITR320 - American Fiction
- LITR322 - American Poetry I
- LITR330 - Literary Theory

Select 1 course from the following:

- LITR403 - The Work and Life of Ernest Hemingway
- LITR404 - Mark Twain

And select 1 course from the following:

- [LITR402 - Shakespeare: An Author for the Ages](#)
- [LITR406 - The Literary Works of Geoffrey Chaucer](#)

Students must choose a concentration for this degree program and may select the General Concentration or the Concentration in Writing.

General Concentration (18 semester hours)

Select 6 courses from the following:

- [COMM350 - Journalism](#)
- [ENGL120 - Creative Writing](#)
- [ENGL220 - Technical Writing](#)
- [ENGL225 - Business Writing](#)
- [ENGL320 - Freelance Writing](#)
- [ENGL321 - Screenwriting](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL322 - The Personal Essay](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL420 - Advanced Creative Writing](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL421 - The Novella](#) [Prerequisite: ENGL120 - Creative Writing]
- [LITR324 - African-American Literature](#)
- [LITR328 - The Legends of King Arthur](#)
- [LITR340 - Modern Epic Fantasy](#)
- [LITR341 - Folklore](#)
- [LITR355 - Latin American Literature](#)
- [LITR360 - Russian Literature](#)
- [LITR365 - Middle Eastern Literature](#)
- [LITR370 - African Literature](#)
- [LITR385 - Asian-American Literature](#)
- [LITR405 - Medieval European Literature](#)

Concentration in Writing (18 semester hours)

- [COMM350 - Journalism](#)
- [ENGL120 - Creative Writing](#)

Select 4 courses from the following:

- [ENGL220 - Technical Writing](#)
- [ENGL225 - Business Writing](#)
- [ENGL320 - Freelance Writing](#)
- [ENGL321 - Screenwriting](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL322 - The Personal Essay](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL420 - Advanced Creative Writing](#) [Prerequisite: ENGL120 - Creative Writing]
- [ENGL421 - The Novella](#) [Prerequisite: ENGL120 - Creative Writing]

Final Program Requirements (3 semester hours)

- [ENGL498 - Senior Seminar in English](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Entrepreneurship

This degree program is designed to equip graduates with a practical, hands-on understanding of what it takes to run a successful business in today's business environment. Students will learn about leveraging and a variety of business opportunities into viable business entities. Studies include marketing, management, operations, finance, accounting, and the legal aspects of running a business. This degree is applicable for any student who has a desire to start his/her own business, plans to take over a family owned business, or otherwise works in an entrepreneurial enterprise.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to entrepreneurial business enterprises
- Compose an entrepreneurial business strategy based on in depth analysis of internal and external factors and competitive and environmental forces.
- Apply critical thinking and decision-making skills by collecting data through various research tools in order to develop alternatives and solve problems objectively.
- Practice quantitative skills necessary in to grow an entrepreneurial business through work in accounting, finance, and statistics.
- Develop a marketing plan to support an entrepreneurial business that leverages its overall business strategy.
- Practice analytical skills necessary to operate a business efficiently and effectively.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [ACCT105 - Accounting for Non-Accounting Majors](#)
- [ENTR150 - Idea Generation](#)
- [ENTR200 - Leadership in Small Business Ventures](#)
- [ENTR215 - Innovation Design and Prototyping](#)
- [ENTR216 - Service Innovation and Delivery](#)
- [ENTR300 - Foundations of Entrepreneurship](#)
- [ENTR311 - Business Plan Foundations](#)
- [ENTR315 - Financing a New Venture](#)
- [ENTR320 - Practical Law for the Entrepreneur](#)

- [ENTR410 - Money Management for Entrepreneurs](#)
- [ENTR415 - Marketing the Successful Small Business](#)
- [ENTR425 - Operating a Small Business](#)
- [ENTR430 - Virtual Small Business](#)

Major Requirements (12 semester hours)

- [BUSN415 - Small Business Growth and Development](#)
- [ENTR310 -The Family Owned Business](#)
- [ENTR340 - Small Business Customer Service](#)
- [ENTR420 - Social Media to Grow Small Business](#)

Final Program Requirements (3 semester hours)

- [ENTR499 - Small Business Senior Seminar](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in General Studies

The Bachelor of Arts in General Studies is designed to meet the individual needs of the student. Students in this program focus on the development of critical thinking through the study of four different disciplinary areas or fields of study: management and technology; culture, society and the environment; national and local security; liberal and interpretive arts. This major offers students a chance to develop an appreciation and grasp of several academic disciplines. Students graduating from this program apply their skills and abilities in public policy, government-related fields, multiple professions, human resources, and public service. The program also prepares students for entry into graduate studies.

Degree Program Objectives

In addition to the institutional- and degree-level learning outcomes objectives, the B.A. in General Studies seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Apply skills and knowledge gained from the study of different academic disciplines.
- Demonstrate critical thinking and writing skills.
- Analyze written materials and examine the relevance of multiple interpretations in a diverse society.
- Express knowledge in four different disciplines or fields of study.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (3 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)

Major Requirements (36 semester hours)

Select 3 courses from each of the four discipline areas or fields of study below:

Management and Technology

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- [BUSN310 - Business Theory](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN313 - Global and Competitive Strategy](#)
- [ENTD361 - Enterprise Development Using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

- FINC400 - Principles of Financial Management
- FINC405 - Budget Development and Execution
- FINC410 - International Finance
- HRMT310 - Career Counseling
- HRMT407 - Human Resource Management
- HRMT411 - Dispute Resolution
- HRMT412 - Compensation and Benefits
- HRMT413 - Employment and Labor Relations
- INFO321 - Database Management Systems
- INFO331 - Management Information Systems
- ITMG321 - Information Technology Project Management
- ITMG322 - Project Management Using MS Project
- ITMG371 - Contemporary Internet Topics
- ITMG381 - Cyberlaw and Privacy in a Digital Age
- ITMG421 - Virtual Management
- MGMT310 - Principles and Theory of Management
- MGMT311 - Organizational Behavior
- MGMT312 - Leadership & Motivation
- MGMT313 - Organizational Change
- MGMT314 - Management Ethics
- MKTG301 - Principles of Sales
- MKTG304 - Public Relations
- SPST300 - Introduction to Space Studies [Prerequisite: MATH111 - College Trigonometry]
- SPST303 - History of Space
- SPST304 - National Space Organization
- SPST307 - Space Policy
- SPST475 - History of Astronomy

National and Local Security

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- CMRJ302 - U.S. Law Enforcement
- CMRJ303 - Criminology
- CMRJ308 - Ethics in Criminal Justice
- CMRJ314 - Contemporary Criminal Justice Issues
- CMRJ324 - The History of Organized Crime
- DEFM305 - Acquisition Business Management
- DEFM310 - Program and Acquisition Management I
- DEFM311 - Program and Acquisition Management II
- DEFM312 - Defense Budget Development and Execution
- DEFM314 - Military Logistics
- EDMG320 - Natural Disaster Management
- EDMG330 - Managerial Issues in Hazardous Materials
- EDMG340 - Consequence Management
- EDMG420 - Risk Communications
- FSMT321 - Community Fire Mitigation and Protection
- FSMT362 - Fire Administration and Finance
- FSMT405 - Fire Safety and Risk Regulation

FSMT410 - Fire Regulation, Policy, and Law

- HLSS311 - Border and Coastal Security
- HLSS312 - Port Security
- HLSS320 - Intelligence and Homeland Security
- INTL301 - U.S. Intelligence Community
- INTL303 - Introduction to Intelligence
- INTL304 - Intelligence Collection
- INTL402 - Intelligence Analysis
- LSTD301 - Constitutional Law
- LSTD302 - Criminal Law
- LSTD306 - International Law
- LSTD400 - Criminal Legal Process
- LSTD453 - Evidence
- PBHE315 - Health Economics and Finance
- PBHE361 - Moral Issues in Health Care
- PBHE413 - Special Operations in Emergency Medical Services
- PBHE426 - Quarantine
- SCMT370 - Principles and Theory of Security Issues
- SCMT371 - Legal and Ethical Issues in Security Management
- SCMT373 - Evaluation of Security Programs
- SCMT390 - Security Administration
- SCMT397 - Physical Security
- TLMT311 - Introduction to Transportation Management
- TLMT312 - Transportation Economics
- TLMT313 - Supply Chain Management
- TLMT318 - Hazardous Materials Transportation
- TLMT331 - Fundamentals of Intermodal Transportation

Culture, Society and the Environment

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- CHFD340 - Family Development
- CHFD342 - Human Life Span Development
- CHFD350 - Family Life Education
- CHFD445 - Family Communications
- EDUC320 - Classroom Management
- EDUC401 - Curriculum Design
- EDUC402 - Measurement and Evaluation
- EVSP316 - U.S. Federal Environmental Organization
- EVSP320 - Energy and Resource Sustainability
- EVSP330 - Fish and Wildlife Policy, Programs, and Issues
- EVSP411 - Environmental Policy, Regulation, and Law
- EVSP413 - Environmental and Ecosystems Management
- IRLS300 - Comparative Political Systems
- IRLS301 - International Organizations
- IRLS332 - Asian Peoples and Cultures
- IRLS357 - Latin American Peoples and Culture
- POLS311 - Political Parties and Interest Groups
- POLS312 - State, Local, and Community Politics

- POLS410 - Public Policy
- PSYC324 - Psychology of Addiction & Substance Abuse
- PSYC343 - Adult Development
- PSYC360 - Psychology of Terrorism
- PSYC431 - Psychology of Disaster
- PSYC432 - Psychology of Combat
- SOCI311 - Political Sociology
- SOCI315 - Food and Culture [Prerequisite: ENGL101 - Proficiency in Writing]
- SOCI321 - Environmental Sociology
- SOCI422 - Sociology of the Law [Prerequisite: SOCI111 - Introduction to Sociology]

Liberal and Interpretive Arts

Select 3 courses from the following. Students are highly recommended to take at least two, if not all three, courses from the same prefix to develop their knowledge in that discipline or field of study.

- HIST402 - Colonial America
- HIST406 - Civil War And Reconstruction, 1861-1877
- HIST408 - The United States: 1900 to Second World War
- HIST409 - The United States: WW II to the Present
- HIST415 - The Cold War
- LITR316 - British Poetry
- LITR320 - American Fiction
- LITR322 - American Poetry I
- LITR402 - Shakespeare: An Author for the Ages
- MILH320 - The American Revolution
- MILH355 - World War I
- MILH360 - World War II
- PHIL300 - Logic
- PHIL301 - Ethical Theory and Concepts
- PHIL320 - Environmental Ethics
- PHIL400 - Contemporary Issues in Philosophy
- PHIL415 - Enlightenment Philosophy
- RELS311 - Introduction to the Bible
- RELS330 - Religions of the Middle East
- RELS350 - Hinduism
- RELS351 - Buddhism
- RELS405 - Myth and Ritual
- WOMS319 - Transnational and Global Issues in Women's Studies
- WOMS320 - Introduction to Feminist Thought
- WOMS321 - Contemporary Women's Issues
- WOMS400 - Women of Color: Cross-Cultural Comparison
- WOMS410 - Women and Leadership

Final Program Requirements (3 semester hours)

- COLL498 - Senior Seminar in General Studies (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in History

This degree ensures that students will learn about the "big picture" through exposure to four historical perspectives, while allowing them to tailor the major to individual needs during the junior and senior years. Students in this program are exposed to the social impact, consequences, and changes of various pivotal historical events. They learn critical and analytical thinking, and effective writing and research methods. Students graduating from this program apply their skills and abilities as curators and archivists or in professions involving research, writing, editing, advocacy, politics, and historical preservation.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in History also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of history, graduates in this degree program will be able to:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context.
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (9 semester hours)

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST300 - Research Methods in History

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in American History, Concentration in European History, or Concentration in Global History.

General Concentration (42 semester hours)

Students who pursue a General History Concentration are exposed to the social impact, consequences, and changes of various pivotal historical events. They will learn critical and analytical thinking and effective writing and research methods. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover American History, Ancient and Classical History, Diplomatic History, and Global Cultures and History.

Objectives

Upon completion of this concentration, students will be able to:

- Identify a broad knowledge of historical literature that pertains to the topic of study included in the degree program.
- Describe and locate the linkage between historical studies and allied disciplines.
- Compare and contrast the historical experiences that go beyond a single time period and national or cultural experience.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze history from diverse perspectives of ancient and contemporary historical cultures, nations, and regions.
- Analyze history from in-depth study of one or more periods, cultures, nations, regions, or seminal events.
- Analyze historical material to make judgments, to establish causal relationships between facts, to find order and patterns, and to answer why and how - not just simply report.
- Demonstrate an understanding of history as a creative art, a subjective discipline and an imaginative interpretation of the past.

Concentration Requirements (42 semester hours)

- [HIST491 - Writing a Research Proposal](#)

Select 6 courses from the following:

- [HIST402 - Colonial America](#)
- [HIST403 - The Early Republic, 1783-1815](#)
- [HIST404 - Jacksonian America, 1815-1846](#)
- [HIST405 - Antebellum America, 1846-1861](#)
- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [HIST407 - The Gilded Age, 1877-1900](#)
- [HIST408 - The United States: 1900 to Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)
- [HIST415 - The Cold War](#)

And select 7 courses from the following:

- [HIST230 - History of East Asia](#)
- [HIST290 - History of the Holocaust](#)
- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST303 - The Middle Ages](#)
- [HIST304 - The Renaissance](#)
- [HIST305 - France in the Age of Enlightenment](#)
- [HIST306 - The British Empire](#)
- [HIST307 - The Age of Dictators: Europe 1914-1945](#)
- [HIST308 - History of European Colonialism](#)
- [HIST310 - History of Modern Europe](#)
- [HIST320 - History of Russia](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [HIST360 - History of Latin America](#)
- [HIST370 - Asia and the Modern World](#)

[HIST480 - Special Topic: History](#) (Students may take this course twice for credit.)

- [HIST490 - Independent Study: History](#)

Concentration in American History (42 semester hours)

A student enrolled in the Concentration in American History is recommended to take HIST101 - American History to 1877, and HIST102 - American History after 1877.

Students who pursue a concentration in American History will concentrate on American history from the Colonial Period to the present. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the United States. Topics cover foreign policy and military operations as well as the domestic political, economic, and social components of America.

Objectives

Upon completion of this concentration, students will be able to:

- Compare and contrast the philosophy of early American leaders and how this resulted in a break from the British Empire,
 - Analyze the reasons America pushed westward and what that expansion entailed.
 - Identify and give examples of the causes of the Civil War.
 - Differentiate the outcomes of the Civil War in the North and the South.
 - Assess the social, economic, and political situation in America leading up to the 20th century.
 - Expound upon the technical revolution in America at the turn of the 20th Century.
 - Identify the causes of the Great Depression and recognize the attempts that were made to bring America out of it.
 - Analyze America's reasoning for joining both World Wars.
 - Elaborate on the political background of the Cold War and what factors led to the diplomatic meltdown between the United States and the Soviet Union.
 - Integrate the cultural revolution of the 1960s and what was happening in Vietnam.
 - Identify major political, cultural, and economic developments in the 1980s, 1990s, and in the 21st Century.
- Concentration Requirements (42 semester hours).

Concentration Requirements (42 semester hours)

- [HIST402 - Colonial America](#)
- [HIST403 - The Early Republic, 1783-1815](#)
- [HIST404 - Jacksonian America, 1815-1846](#)
- [HIST405 - Antebellum America, 1846-1861](#)
- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [HIST407 - The Gilded Age: 1877-1900](#)
- [HIST408 - The United States: 1900 to Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)
- [HIST491 - Writing a Research Proposal](#)
- [MILH320 - The American Revolution](#)

And select 4 courses from the following:

- [HIST290 - History of the Holocaust](#)
- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST303 - The Middle Ages](#)
- [HIST305 - France in the Age of Enlightenment](#)

- [HIST306 - The British Empire](#)
- [HIST308 - History of European Colonialism](#)
- [HIST310 - History of Modern Europe](#)
- [HIST320 - History of Russia](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [HIST370 - Asia and the Modern World](#)
- [HIST480 - Special Topic: History](#) (Students may take this course twice for credit.)
- [HIST490 - Independent Study: History](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)

Concentration in European History (42 semester hours)

A student enrolled in the Concentration of European History is recommended to take HIST121 - Western Civilization before The Thirty Years' Wars, and HIST122 – Western Civilization after the Thirty Years' War as part of their General Education Requirements.

Students who pursue a concentration in European History will focus on developments that took place in Europe from ancient Greece to the present. Students will study the political, philosophical, scientific, and social changes that laid the foundation for early Europe to the key developments that led to the major European wars of the 19th and 20th centuries. Topics concentrate on the development of political, economic, and cultural institutions in early European societies and the rise of Europe as a global power in the modern period.

Objectives

Upon completion of this concentration, students will be able to:

- Identify and discuss the major political, cultural, economic and military developments of Rome and Greece.
- Trace the rise and accomplishments of Byzantium and its changing relationship with Islam.
- Examine the rise of the Ottoman Empire as a European power.
- State the factors that brought Europe out of the Dark Ages. Analyze the key developments of the Renaissance, the Scientific Revolution, the Enlightenment, and Europe's Age of Discovery, and identify individuals who contributed to the artistic and cultural rebirth.
- Expound on the causes and effect of the Industrial Revolution, and infer the importance of trade to the development of European powers.
- Summarize Napoleon's rise to power and identify the shift to Nationalism.
- Identify key political figures in 20th Century Europe and describe the shift to Nationalism.
- Describe the political and social causes of World War I and World War II, and state the social and economic implications of these wars.
- Describe the creation of the League of Nations, the North Atlantic Treaty Organization (NATO) and the United Nations (UN) and identify their purposes.
- Examine the causes of the Cold War and identify major political, cultural, and economic developments during this time.

Concentration Requirements (42 semester hours)

- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)

- HIST303 - The Middle Ages
- HIST304 - The Renaissance
- HIST305 - France in the Age of Enlightenment
- HIST306 - The British Empire
- HIST307 - The Age of Dictators: Europe 1914-1945
- HIST308 - History of European Colonialism
- HIST310 - History of Modern Europe
- HIST491 - Writing a Research Proposal

And select 4 courses from the following:

- HIST330 - History of the Pacific Rim
- HIST340 - History of Africa
- HIST350 - History of the Middle East
- HIST351 - History of Iraq
- HIST360 - History of Latin America
- HIST370 - Asia and the Modern World
- HIST402 - Colonial America
- HIST403 - The Early Republic, 1783-1815
- HIST404 - Jacksonian America, 1815-1846
- HIST405 - Antebellum America, 1846-1861
- HIST406 - Civil War and Reconstruction, 1861-1877
- HIST407 - The Gilded Age: 1877-1900
- HIST408 - The United States: 1900 to Second World War
- HIST409 - The United States: WW II to the Present
- HIST415 – The Cold War
- HIST480 - Special Topic: History (Students may take this course twice for credit.)
- HIST490 - Independent Study: History
- MILH355 - World War I
- MILH360 - World War II
- MILH365 - The Napoleonic Wars and the Long Peace
- MILH411 - Diplomacy and War I
- MILH412 - Diplomacy and War II

Concentration in Global History (42 semester hours)

Students enrolled in the Concentration in Global History will examine the major events, personalities, and accomplishments that have taken place in all regions of the world from pre-history until the present. Students will study the political, philosophical, scientific, and social changes that shaped the history of Europe, Asia, Africa, and the New World. Special emphasis will be placed on how these regions interacted with one another over the millennia to create the modern world.

Objectives

Upon completion of this concentration, students will be able to:

- Identify significant personalities and events in world history.
- Explain the rise and spread of the major world religions.
- Identify the invention, diffusion, and impact of major technological innovations through history.
- Describe the patterns of migration and relationship between nomadic cultures and civilization.
- Trace the emergence of Afro-Eurasian trading networks before Europe's Age of Discovery and emerging patterns of world

trade in the early modern period.

- Explain Europe's scientific, political, and industrial revolutions and the impact of Western political and economic influence in the world.
- Assess the rise and spread of Western hegemony and the reaction of non-Western cultures and civilizations to Western contacts, intrusions, and colonization during the 19th and 20th centuries.
- Trace the patterns and problems of decolonization and the rise and fall of Communism and the emergence of a multi-polar world in the 21st century.
- Analyze the United States' emergence as a world power after two world wars and the rise of the Pacific Rim.

Concentration Requirements (42 semester hours)

- [HIST230 - History of East Asia](#)
- [HIST308 - History of European Colonialism](#)
- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST360 - History of Latin America](#)
- [HIST370 - Asia and the Modern World](#)
- [HIST491 - Writing a Research Proposal](#)

And select 4 courses from the following:

- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST306 - The British Empire](#)
- [HIST310 - History of Modern Europe](#)
- [HIST320 - History of Russia](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST351 - History of Iraq](#)

And select 3 courses from the following:

- [HIST408 - The United States: 1900 to the Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH421 - History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988-Present](#)
- [HIST480 - Special Topic: History](#) (Students may take this course twice for credit.)
- [HIST490 - Independent Study: History](#)

Final Program Requirements (3 semester hours)

- [HIST498 - Senior Seminar in History](#) (to be taken as the last course before graduation) [Prerequisite: HIST491 - Writing a Research Proposal and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in

an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Homeland Security

The idea of homeland security as an enterprise took root as a response to the federal government being caught off-guard by 9/11. The homeland security concept was premised on the assumption that public safety related fields operated too much in isolation from each other. Those cylinders created vulnerabilities al Qaeda exploited. So what is “homeland security?” The Department of Homeland Security establishes a shared vision of homeland security in order to achieve a “unity of purpose” and defining the term as the “intersection of evolving threats and hazards with traditional governmental and civic responsibilities for civil defense, emergency response, law enforcement, customs, border patrol, and immigration”. This vision of homeland security assumes that all of these responsibilities will be seen under one overarching concept of the homeland security enterprise that recognizes the need for joint actions and efforts across previously discrete elements of government and society.

Members of the homeland security enterprise, such as DHS, state and local public safety entities, and many corporations are looking for the next generation of homeland security leaders. They are aggressively searching for people who have the comprehensive educational training to be intellectual and strategic leaders in this emerging field. Homeland Security employers are vocal in stating their need for professionals who will contribute new ideas; people who are able to identify and critique unexamined assumptions of policy and strategy, who can contribute their own perspectives, and who have the ability to translate good intentions into effective action.

There is genuine need for professionals who can think and operate across the homeland security enterprise while at the same time contributing expertise in one or more area concentrations that comprise the field as a whole. The AMU Homeland Security Studies Program is designed to make students homeland security experts and meet this market need. This is achieved by offering our students a holistic liberal arts homeland security education that covers the range of domestic security effort so students develop the policy and analytical skills necessary to become leaders in the field.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Homeland Security also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of homeland security, graduates in this degree program will be able to:

- Examine the historical and evolving concept of homeland security within the broader political and national security system of the contemporary nation-state.
- Recognize the detailed mitigation, planning, response, and recovery phases to and from a national security incident.
- Differentiate among the various national security threats including those that are manmade, technological, and natural.
- Discuss the strategic, operational, and tactical threats presented by chemical, nuclear, and biological agents including agent characteristics and delivery systems.
- Distinguish among and assess the various homeland security approaches, techniques, and processes such as analytics, indications, warnings, and forecasting.
- Explain the key administrative and command and control elements of the evolving homeland security relationships among the intelligence community Department of Homeland Security; interagency processes and institutions; federal, state, and local intergovernmental relations; and a comprehensive U.S. homeland security strategy.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">● COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)

- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (18 semester hours)

- HLSS154 - Mind of a Terrorist
- HLSS300 - Research Methods in Homeland Security Studies
- HLSS302 - Introduction to Homeland Security and Defense
- HLSS305 - Private Sector Homeland Security
- HLSS311 - Border and Coastal Security
- HLSS320 - Intelligence and Homeland Security

Major Requirements (27 semester hours)

Select 9 courses from the following:

- CMRJ100 - Introduction to Law Enforcement
- CMRJ203 - Patrol Methodologies and Community Policing
- CMRJ320 - Law Enforcement Intelligence Applications
- EDMG220 - Emergency Planning
- EDMG230 - Emergency and Disaster Incident Command
- EDMG259 - Hazard Mitigation and Preparedness
- EDMG340 - Consequence Management
- EDMG420 - Risk Communications
- HLSS212 - Chemical, Biological and Radiological Hazards
- HLSS215 - Regulatory Issues in Weapons of Mass Destruction
- HLSS303 - Homeland Security Risk, Threats and Consequences
- HLSS312 - Port Security
- INTL440 - Cyber Warfare
- INTL446 - Intelligence and Narcotics
- ISSC362 - IT Security: Attack and Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- ISSC363 - IT Security: Risk Management [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- ISSC451 - Cybercrime [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]
- ITMG381 - Cyberlaw and Privacy in a Digital Age
- LSTD401 - Maritime Law
- LSTD402 - Immigration Law and Policy
- PSYC431 - Psychology of Disaster

Final Program Requirements (3 semester hours)

- HLSS498 - Senior Seminar in Homeland Security (to be taken as the last course before graduation) [Prerequisite: Senior

Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Hospitality Management

The Bachelor of Arts in Hospitality Management is designed to prepare students for entry- to mid-management positions in global hospitality workplaces. Core courses diversify the students’ skill sets in a variety of hospitality, organizational and managerial issues.

There are four concentration areas:

- Food Service
- Lodging
- Meeting and Event Planning
- Tourism

Students in this degree typically have an interest in owning or managing a restaurant or working in senior management in a lodging facility or destination management organization. The degree is open to all students and is designed to provide a foundation of research, critical thinking, and writing skills that could be useful in further study and professional work.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Hospitality Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of hospitality management, graduates in this degree program will be able to:

- Apply concepts and principles of hospitality service excellence in marketing, law, revenue management and strategic planning, to the unique aspects of hospitality operations.
- Judge current political, economic, and social issues that affect food service, lodging and travel and tourism industries.
- Apply strategic management principles to accomplish goals and objectives of hospitality operations.
- Assess unique hospitality characteristics and principles that are the business of hospitality management.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs
General Education Requirements (34 semester hours)
English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature
History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors

- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [HOSP100 - Introduction to Hospitality Management](#)
- [HOSP101 - Foodservice Sanitation](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]
- [HOSP300 - Managerial Accounting for the Hospitality Industry](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]
- [HOSP302 - Hospitality Law](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]
- [HOSP321 - Marketing and the Hospitality Industry](#) [Prerequisite: [HOSP100 - Introduction to Hospitality Management](#)]

- [HOSP335 - Leadership and Management in Hospitality](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HOSP400 - Quality Service Management](#) [Prerequisite: HOSP100 - Introduction to Hospitality Management]
- [HRMT200 - Human Resource Fundamentals](#)
- [MGMT201 - Organizational Fundamentals](#)
- [MGMT314 - Management Ethics](#)

Students must choose a concentration for this degree program and may select from the Concentration in Food Service, the Concentration in Lodging, the Concentration in Meeting and Event Planning, or the Concentration in Tourism.

Concentration in Food Service (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Plan a food service facility with emphasis on human engineering, layout, design, and equipment selection.
- Comprehend hotel food service operations including concession, restaurant, room service, banquet, snack bar, and other forms of food service.
- Examine and discuss the leading issues associated with food service in the 21st Century including food service trends, issues, and challenges.

Concentration Requirements (21 semester hours)

Select 7 courses from the following:

- [HOSP200 - Food and Beverage Management](#) [Prerequisite: HOSP100]
- [HOSP201 - Restaurant Operations Management](#)
- [HOSP202 - Quantity Food Preparation](#)
- [HOSP203 - Hotel and Restaurant Purchasing](#) [Prerequisite: HOSP100]
- [HOSP304 - Nutrition in the Food Service Industry](#) [Prerequisite: HOSP100]
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP100 and HOSP200]
- [HOSP314 - Foodservice Trends and Challenges](#) [Prerequisite: HOSP100]
- [HOSP315 - Dining: A Consumer Perspective](#)
- [HOSP316 - History and Culture of Wine](#)
- [HOSP318 - Culinary Theory and Practice](#)
- [HOSP319 - Foodservice Facilities Design](#)

Concentration in Lodging (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Describe the make-up and size of the lodging industry and explain its contribution to a global society.
- Explain the necessary partnerships between lodging organizations, convention centers and convention bureaus.
- Summarize career options in the lodging segment, including advantages and disadvantages of working in the industry.
- Describe laws associated with guest liabilities in lodging management.
- Understand marketing concepts that are used by lodging facilities.

Concentration Requirements (21 semester hours)

Select 7 courses from the following:

- [HOSP203 - Hotel and Restaurant Purchasing](#)
- [HOSP206 - Introduction to Lodging Management](#) [Prerequisite: HOSP100]
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP100 and HOSP200]
- [HOSP309 - Convention Sales and Services](#) [Prerequisite: HOSP100]
- [HOSP310 - Management of Lodging Operations](#) [Prerequisite: HOSP100]
- [HOSP320 - Business and Conference Hospitality Management](#)
- [HOSP322 - Managing Housekeeping Operations](#)
- [HOSP325 - Revenue Management for the Hospitality Industry](#)
- [HOSP328 - International Hotel Management](#)
- [HOSP350 - Managing Technology in the Hospitality Industry](#)
- [HOSP355 - Loss Prevention/Security Management](#)

Concentration in Meeting and Event Planning (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.
- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

Concentration Requirements (21 semester hours):

- [HOSP308 - Meeting and Convention Planning](#) [Prerequisite: HOSP100]
- [HOSP309 - Convention Sales and Services](#) [Prerequisite: HOSP100]
- [HOSP320 - Business and Conference Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP350 - Managing Technology in the Hospitality Industry](#)
- [HOSP410 - Advanced Tourism and Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP413 - Meeting and Event Risk Management](#) [Prerequisite: HOSP100]
- [HOSP415 - Destinations and Cultures](#) [Prerequisite: HOSP100]

Concentration in Tourism (21 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain tourism topics including revenue management, forecasting, budgeting, measuring performance, transient versus group displacement, pricing and inventory management, service quality, ethics, and technology.
- Examine the study of the tourism from a global perspective in addition to the public and private organizations that organize, promote, manage, and participate in tourism and travel.
- Analyze and describe the operation of hospitality facilities including facility operating costs, building system characteristics, and the function of the engineering-maintenance department. The renovation needs of hospitality facilities are examined and key managerial aspects of renovations considered.

Concentration Requirements (21 semester hours)

Select 7 courses from the following:

- [HOSP205 - Tourism and Travel Industry](#) [Prerequisite: HOSP100]
- [HOSP212 - Fundamentals of Tourism Management](#)
- [HOSP215 - Cruise Lines Operations](#)
- [HOSP311 - Club Management](#)
- [HOSP313 - Theory and Concepts of Leisure](#) [Prerequisite: HOSP100]
- [HOSP323 - Introduction to Parks and Recreation](#) [Prerequisite: HOSP100]
- [HOSP360 - Casino Operations Management](#)
- [HOSP410 - Advanced Tourism and Hospitality Management](#) [Prerequisite: HOSP100]
- [HOSP412 - Destinations Management and Marketing](#) [Prerequisite: HOSP100]
- [HOSP415 - Destinations and Culture](#)

Final Program Requirements (3 semester hours)

- [HOSP495 - Senior Seminar in Hospitality Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core, major, or concentration courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Human Development and Family Studies

The Bachelor's Degree in Human Development and Family Studies focuses on the study of human development, within the contexts of the family, the community, and the broader national and international culture. The Program is based on a systems view of human interaction, with emphasis on how people are affected by their environments, and how they, in turn, have an impact on others.

Careers with this degree

Graduates of this program are well positioned to pursue numerous career paths. The specialized knowledge gained during study prepares graduates to work in community-based social service agencies, early childhood education centers and programs, hospitals and hospice organizations, governmental and policy positions, and in research, writing and media development.

Human Development and Family Studies professionals are on the front lines in adoption and foster care agencies, overseeing the welfare of young children who may have been displaced by divorce, substance abuse, or death of biological parents. On the other end of the developmental spectrum, Human Development and Family Studies professionals may work in nursing homes or agencies tending to the special needs of senior citizens and their caretakers.

Professionals with this degree may choose to work in pre-school settings, and may find that their academic preparation provides them an opportunity to serve as a manager or supervisor. Their special knowledge of the early phases of the lifecycle may enable them to work as early intervention professionals, helping to spot and treat children's development delays.

Professionals in this area may also provide hands-on assistance in treating people who have undergone physical or emotional trauma, or who are dealing with addictions or abuse. They may be employed as assistants in residential halfway houses specializing in helping people regain independence and dignity.

Specific Career Requirements

Early Childhood Care and Education

If you wish to work in the early childhood care profession, please note that each state has different certification/licensing requirements for childcare providers. The bachelor's degree in Human Development and Family Studies can provide students with the academic background they need, but states often require additional hands-on training or site visitation, not provided by APUS. As an alternate route, students may wish to consider the [Associate of Arts degree in Early Childhood Care and Education](#).

We are honored to have been designated an approved Early Childhood Education Training Institution by the Council for Professional Recognition, which offers the national Child Development Associate (CDA) designation (<http://www.cdacouncil.org/>).

Certified Family Life Educator

This degree provides an ideal academic background for students who wish to pursue the Certified Family Life Educator credential, sponsored by the National Council on Family Relations. To learn more about this credential, please go to the Certified Family Life Educator {CFLE} website: <http://www.ncfr.org/cfle-certification>. Students wishing to pursue this credential need to take these classes from within the Major Requirements, in addition to the Core requirements, in order to qualify for the academic portion of the CFLE:

- CHFD220 - Human Sexuality
- CHFD350 - Family Life Education
- CHFD360 - Family Resource Management
- CHFD348 - Marriage and the Family
- CHFD445 - Family Communications
- CHFD446 - Families and Social Action
- CHFD498 - Senior Seminar in Child and Family Development

Further education

This degree is not designed to qualify students to become K-12 schoolteachers. Students who earn this degree, and wish to become classroom teachers for K-12 students, will also need to meet the regulations for teacher certification/ licensure in the state in which they wish to teach.

Students who wish to pursue careers as therapists, counselors, school counselors, social workers, or clinical psychologists will need to earn a Master's Degree or Doctorate to qualify for this kind of work.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Human Development and Family Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of family and child development, graduates in this degree program will be able to:

- Demonstrate fluency in the terminology, tools, and methods used in the field of Child and Family Development.
- Describe the contributions of multiple theories or practices to the field of child and family development, both within and across disciplines.
- Demonstrate the ability to synthesize multiple information sources and points of view into a discussion of major child and family development issues.
- Present a project or paper linking knowledge from work, community, or research activities with knowledge acquired in the study of child and family development.
- Explain diverse perspectives on contested issues in child and family development, including an articulation of how these issues might be addressed in social, political, or personal settings.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [CHFD215 - Introduction to Child Development](#)
- [CHFD220 - Human Sexuality](#)
- [CHFD225 - Introduction to the American Family](#)
- [CHFD307 - Child and Adolescent Development](#)
- [CHFD308 - Infant-Toddler Development](#)
- [CHFD331 - Parenting](#)
- [CHFD340 - Family Development](#)
- [CHFD342 - Human Life Span Development](#)
- [SOCI331 - Research Methods for Sociology](#)

- [SOCI332 - Statistics for Social Science](#)

Major Requirements (24 semester hours)

Child Development

Select 4 courses from the following:

- [CHFD210 - Childhood Educational Development](#)
- [CHFD212 - Infant and Toddler Programs](#)
- [CHFD311 - Guidance in Early Childhood](#)
- [CHFD312 - Special Needs Students](#)
- [CHFD411 - Child Psychopathology](#) [Prerequisite: CHFD307 - Child and Adolescent Development]
- [CHFD415 - Children and Stress](#)
- [HDFS401 - Child Life Theory and Practice](#)

Family Development

And select 4 courses from the following:

- [CHFD348 - Marriage and the Family](#)
- [CHFD350 - Family Life Education](#)
- [CHFD360 - Family Resource Management](#)
- [CHFD445 - Family Communications](#)
- [CHFD446 - Families and Social Action](#)
- [PSYC343 - Adult Development](#)
- [SOCI404 - Gender and Society](#)

Final Program Requirements (3 semester hours)

- [CHFD498 - Senior Seminar in Child and Family development](#) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 124 semester hours

Bachelor of Arts in Intelligence Studies

This degree provides instruction in the multidisciplinary field of intelligence studies and is designed for students who are currently employed or wish to pursue positions as military, civilian, or corporate intelligence specialists. The program's core courses impart substantive knowledge and analytic skills required by all professionals in the intelligence community. Students may also pursue concentrated study in several functional areas or intelligence sub-fields. Student learning is greatly enhanced by the diversity of program professors with strong professional and academic backgrounds in intelligence studies, many who currently work in the U.S. national intelligence community.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Intelligence Studies also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of intelligence studies, graduates in this degree program will be able to:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement and technical and open intelligence data sources.
- Detail the current permissions and restrictions on U.S. national intelligence community activities as prescribed by federal law, executive and agency directives, and the intelligence oversight system.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)

- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL301 - The U.S. Intelligence Community](#)
- [INTL303 - Introduction to Intelligence](#)
- [INTL304 - Intelligence Collection](#)
- [INTL305 - Law and Ethics in Intelligence](#)
- [INTL401 - Critical Analysis](#)

- [INTL434 - Threat Analysis](#)
- [INTL443 - Foreign Intelligence Organizations](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Asian Area Studies, Concentration in Counterintelligence, Concentration in Criminal Intelligence, Concentration in Cyber, Concentration in Intelligence Analysis, Concentration in Intelligence Collection, Concentration in Intelligence Operations, Concentration in Latin America Area Studies, Concentration in Middle East Area Studies, or the Concentration in Terrorism Studies.

General Concentration (27 semester hours)

Concentration Requirements (27 semester hours)

Select 9 courses from the following:

- [INTL402 - Intelligence Analysis](#)
- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)
- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL415 - Covert Action](#)
- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)
- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL440 - Cyber Warfare](#)
- [INTL442 - Tactical Intelligence](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [INTL453 - Illicit Finance](#)
- [INTL454 - Forecasting Terrorism](#)
- [INTL461 - Iraq Country Analysis](#)

Concentration in Asian Area Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of US policy on the region.
- Assess the security issues of the region.

Explain the role of religion in the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)

Select 8 courses from the following:

- [CHIN100 - Chinese I \(Mandarin\)](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST370 - Asia and the Modern World](#)
- [IRLS213 - Political Geography](#)
- [IRLS331 - Asian Politics](#)
- [IRLS332 - Asian Peoples and Cultures](#)
- [IRLS430 - U.S. National Security and the Pacific Basin](#)
- [RELS350 - Hinduism](#)
- [RELS351 - Buddhism](#)

Concentration in Counterintelligence (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Acquire a general knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.

Concentration Requirements (27 semester hours)

- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)

And select 6 courses from the following:

- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL422 - Open Source Collection](#)
- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL440 - Cyber Warfare](#)

Concentration in Criminal Intelligence (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain intelligence processes and procedures in the criminal justice community.
- Analyze the differences between crime, war, and terrorism.
- Evaluate the various techniques and methodologies used within the Criminal Justice community to understand the different aspects of violence and accomplish their goals.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)
- [INTL431 - Criminal Intelligence Analysis](#)

Select 7 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [CMRJ327 - Gang Theory, Practice, and Suppression](#)
- [CMRJ329 - Criminal Profiling](#)
- [CMRJ335 - Crime Analysis](#)
- [CMRJ401 - Human Trafficking](#)
- [INTL411 - International Criminal Organizations](#)
- [INTL440 - Cyber Warfare](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL453 - Illicit Finance](#)

Concentration in Cyber (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

Concentration Requirements (27 semester hours)

- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)
- [INTL440 - Cyber Warfare](#)

Select 6 courses from the following:

- [CMRJ201 - Criminal Justice Administration](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC351 - Computer Forensics](#)
- [ISSC421 - Computer and Network Security](#)
- [ISSC422 - Information Security](#)
- [ISSC451 - Cybercrime](#)
- [ISSC452 - Cybersecurity](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Concentration in Intelligence Analysis (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine advanced intelligence analysis methods in composing professional and academic analyses on issues critical to intelligence community consumers.
- Evaluate and interpret information generated from a variety of different organizations and sources into a highly cogent and professional intelligence product.
- Employ a broad, subtle, and nuanced understanding of existing knowledge to find meaning behind what is not immediately apparent to forecast events or consequences and draw conclusions with a high degree of reliability and precision.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)

Select 8 courses from the following:

- [INTL409 - Counterintelligence Analysis](#)
- [INTL413 - Denial and Deception](#)
- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL422 - Open Source Collection](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL453 - Illicit Finance](#)
- [INTL454 - Forecasting Terrorism](#)

Concentration in Intelligence Collection (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

Concentration Requirements (27 semester hours)

- [INTL410 - Counterintelligence](#)
- [INTL413 - Denial and Deception](#)
- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL421 - Signals Intelligence and Security](#)
- [INTL422 - Open Source Collection](#)

- [INTL423 - Human Intelligence](#)
- [INTL424 - Interrogation](#)
- [INTL440 - Cyber Warfare](#)
- [INTL442 - Tactical Intelligence](#)

Concentration in Intelligence Operations (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Employ intelligence management skills required by planning and management positions in the intelligence community.
- Identify ways to facilitate cooperation with other individuals and organizations across the intelligence community to advance projects and corporate goals.
- Examine the nature and challenges to military planning of combined operations and operations other than war including peacekeeping operations, low intensity conflicts, and humanitarian relief operations.

Concentration Requirements (27 semester hours)

Select 9 courses from the following:

- [INTL408 - Counterintelligence Operations](#)
- [INTL410 - Counterintelligence](#)
- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL415 - Covert Action](#)
- [INTL440 - Cyber Warfare](#)
- [INTL442 - Tactical Intelligence](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL453 - Illicit Finance](#)

Concentration in Latin America Area Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the role Intelligence plays in the War on Drugs.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)

And select 8 courses from the following:

- [HIST360 - History of Latin America](#)
- [INTL446 - Intelligence and Narcotics](#)

[IRLS213 - Political Geography](#)

- [IRLS355 - Latin American Politics](#)
- [IRLS357 - Latin American Peoples and Cultures](#)
- [LITR355 - Latin American Literature](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [WOMS361 - History of Women in Latin America](#)

Concentration in Middle East Area Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of religion in the political, economic, and cultural life of the area.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)
- [INTL461 - Iraq Country Analysis](#)

And select 7 courses from the following:

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [IRLS213 - Political Geography](#)
- [IRLS360 - Global Politics of Islam](#)
- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS463 - Arab-Israeli Conflict: Contemp. Politics and Diplomacy](#)
- [IRLS468 - Politics and Security in the Persian Gulf](#)
- [LITR365 - Middle Eastern Literature](#)
- [RELS330 - Religions of the Middle East](#)
- [RELS353 - Islam](#)

Concentration in Terrorism Studies (27 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Appraise the causes of and threats from U.S. domestic and international terrorism.
- Analyze the limits of information sharing under the guidelines of both the U.S. PATRIOT Act and the Intelligence Reform and Terrorism Prevention Act.
- Identify the leading terrorist organizations, understand their agendas, and develop the critical thinking skills and methodological techniques to defeat them.

Concentration Requirements (27 semester hours)

- [INTL402 - Intelligence Analysis](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL440 - Cyber Warfare](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [INTL453 - Illicit Finance](#)
- [PSYC360 - Psychology of Terrorism](#)
- [SCMT319 - Global Terrorism](#)

Final Program Requirements (3 semester hours)

- [INTL498 - Senior Seminar in Intelligence Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in International Relations

This degree gives students an understanding of the world and analyzes the nature of modern global relationships. Due to interdisciplinary nature of international relations, the student develops broad critical thinking skills in politics, economics, culture, and history. Through analysis of contemporary issues, students develop specialized skills that combine theory and practice within the field. Students explore the interconnectedness of global economies, societies and cultures through a focus on civic engagement and social responsibility. This core of the degree focuses on the central concerns of international relations - diplomacy, foreign policy analysis, international organizations, global development, and international relations theory. The BA in International Relations degree provides an excellent foundation for careers in government agencies, the diplomatic service, international organizations, world trade and finance, and international media careers.

Degree Program Objectives

Graduates of this degree will be able to:

- Distinguish the political, economic, social, and security theories, methods, and historic patterns of international relations as applied to contemporary issues and actors within the world system.
- Explain the process and implications of interdependence among individuals, groups, states, and regions in the context of globalization.
- Analyze the theories, assumptions, and causes of conflict within international systems as related to the institutions of international law, diplomacy, and world order, including the prospects for sustainable peace.
- Assess the unique principles, structure, organization, and impact of international organizations and other non-state actors within the international system of states.
- Evaluate the multidimensional effects of globalization and integration as applied to issues in human security, conflict resolution, and sustainable economic development.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877• HIST111 - World Civilization before 1650• HIST112 - World Civilization since 1650

- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [IRLS200 - Information Literacy and Global Citizenship](#)
- [IRLS210 - International Relations I](#)
- [IRLS211 - International Relations II](#)
- [IRLS214 - American Foreign Policy](#)
- [IRLS301 - International Organizations](#)
- [IRLS302 - International Development](#)
- [IRLS402 - International Law and Regimes](#)

Students must choose a concentration for this degree program and may select from either the Concentration in International Studies, Concentration in Comparative Politics, Concentration in Peacekeeping, Concentration in African Studies, Concentration in Asian Studies, Concentration in European Studies, Concentration in Latin American Studies, Concentration in Globalization and Human Security.

Concentration in African Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the sub-Saharan African community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within sub-Saharan Africa.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within sub-Saharan Africa.
- Discuss the key issues that lie ahead for sub-Saharan Africa within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in sub-Saharan Africa and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS220 - African Peoples and Cultures](#)
- [IRLS322 - African Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [HIST340 - History of Africa](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [LITR370 - African Literature](#)
- [RELS353 - Islam](#)

Concentration in Asian Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the Asian community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various Asian societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Asia.
- Discuss the key issues that lie ahead for Asian relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Asia and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS331 - Asian Politics](#)
- [IRLS332 - Asian Peoples and Cultures](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST370 - Asia and the Modern World](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS430 - US National Security and the Pacific Basin](#)
- [PHIL310 - Studies in Chinese Thought](#)
- [PHIL311 - Studies in Japanese Thought](#)
- [RELS350 - Hinduism](#)
- [RELS351 - Buddhism](#)

Concentration in Comparative Politics (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of cross-national analysis. Students will learn how to think about politics in systematic and comparative terms by focusing on the domestic politics in a variety of countries and will be able to:

- Comprehend the roles of various actors in the development and implementation of both domestic and international policy.
- Explore the political history, social background, culture, and institutions of various countries.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

Concentration Requirements (24 semester hours)

- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [IRLS322 - African Politics](#)
- [IRLS331 - Asian Politics](#)
- [IRLS343 - Government and Security of Russia](#)
- [IRLS344 - European Politics](#)
- [IRLS355 - Latin American Politics](#)
- [IRLS430 - US National Security and the Pacific Basin](#)
- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS463 - Arab-Israeli Conflict: Contemp. Politics & Dipl.](#)

Concentration in European Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of issues that affect the European community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various European societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Europe.
- Discuss the key issues that lie ahead for European relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Europe and their impact on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS240 - European Peoples and Cultures](#)
- [IRLS344 - European Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HIST307 - The Age of Dictators: Europe 1914-1945](#)
- [HIST310 - History of Modern Europe](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS416 - The North Atlantic Treaty Organization \(NATO\)](#)
- [LITR360 - Russian Literature](#)
- [PHIL302 - Ancient Western Philosophy](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)

Concentration in Globalization and Human Security (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of security in all its forms. Students will learn how to think about security as more than protecting the nation state from external threats. By focusing on myriad threats faced by individuals and communities, students will develop a thorough understanding of security as a complex web of economic, environmental, food, health, personal, community, and political dimensions and will be able to:

- Identify the major security threats and opportunities facing the global civil society.

Describe the interconnected political, social, cultural, and economic forces that affect human security.

- Analyze the various methods designed to increase human security.

Concentration Requirements (24 semester hours)

- [IRLS310 - Introduction to Human Security](#)
- [IRLS400 - Human Rights](#)
- [IRLS405 - National and Transnational Security](#)
- [IRLS409 - Environmental Security](#)

And select 4 courses from the following:

- [INTL411 - International Crime Organization](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS417 - International Civil Order](#)
- [SCMT319 - Global Terrorism](#)
- [WOMS319 - Transnational and Global Issues in Women's Studies](#)

Concentration in International Studies (24 semester hours)

Objectives

Students in this concentration undertake an in-depth examination of international and transnational issues that affect the global community as a whole and nation-states as individual entities and will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Identify the various manifestations of globalization and its impact on various political, economic and social systems.

Concentration Requirements (24 semester hours)

- [INTL434 - Threat Analysis](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS413 - International Conflict Resolution](#)
- [SCMT319 - Global Terrorism](#)

And select 4 courses from the following:

- [INTL411 - International Criminal Organizations](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS400 - Human Rights](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS417 - International Civil Order](#)
- [IRLS491 - Special Topics in International Relations](#)
- [TLMT442 - International Trade and Regulations](#)

Concentration in Latin American Studies (24 semester hours)

Objectives

Students in this concentration will undertake an in-depth examination of issues that affect the Latin American community and will be able to:

- Compare and contrast the history, essential tenets, and central practices of different cultures within various Latin American societies.
- Explain the historical, sociological, economic, geographic, political, and defense factors as they relate to current events within Latin America.
- Discuss the key issues that lie ahead for Latin American relations within the regions, but externally as well.
- Assess the ethnic, tribal, cultural, and religious divides that exist in Latin America and their affect on internal and regional stability.

Concentration Requirements (24 semester hours)

- [IRLS355 - Latin American Politics](#)
- [IRLS357 - Latin American Peoples and Cultures](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [IRLS412 - Comparative Foreign Policy](#)

And select 4 courses from the following:

- [HIST360 - History of Latin America](#)
- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [LITR355 - Latin American Literature](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [WOMS361 - History of Women in Latin America](#)

Concentration in Peacekeeping (24 semester hours)

Objectives

Students in this concentration undertake an in-depth study of the principles and foundations of peace operations within the context of international and regional mechanisms. The student gains valuable insight into the skills necessary to step into international incidents between countries and among peacemakers to assist in the resolution of difficult problems and will be able to:

- Understand the nature of conflict and diplomatic negotiations in the post-Cold War era.
- Identify the evolving theory and practices of United Nations peacekeeping operations.
- Describe the role of UN and regional peacekeeping initiatives in specific peace-building, peacemaking, and peace-keeping operations in conflict areas.

Concentration Requirements (24 semester hours)

- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS415 - Peacekeeping Logistics](#)
- [MILH421 - History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988 – Present](#)

And select 4 courses from the following:

- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS416 - The North Atlantic Treaty Organization \(NATO\)](#)
- [IRLS417 - International Civil Order](#)
- [PSYC432 - Psychology of Combat](#)

Final Program Requirements (3 semester hours)

- [IRLS492 - Senior Seminar in International Relations](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Management

The Bachelors of Arts in Management prepares students to transition from the technical aspects of a profession to leading and managing individuals in their respective fields. Students will explore management theories, concepts and practices necessary to organize, motivate, and lead human capital in private, public and military environments. Topics of study include ethics, management communications, human resources management, employee relations, organizational behavior, and systems analysis. Successful completion of the program prepares graduates for managerial positions and responsibilities.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of business administration, graduates in this degree program will be able to:

- Evaluate the functions and applications of various management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Develop strategies for organizational challenges using management theories, principles, and practices.
- Analyze the impact of international, legal, social, political, economic, technological, and environmental issues as they relate to organizational behavior in terms of the individual, group/team, and overall organizational performance.
- Examine the importance of ethical conduct, communication, social responsibility, and corporate responsibility in the global environment.
- Demonstrate skills in critical thinking, data interpretation, and decision making necessary for developing systematic processes and approaches in the management of human capital and achievement of organizational effectiveness.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [HRMT413 - Employment and Labor Relations](#)
- [INFO331 - Management Information Systems](#)
- [MATH302 - Statistics](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MGMT410 - Strategic Management](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Human Resource Management Concentration, Leadership Concentration, or Retail Management Concentration.

General Concentration Requirements (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine various laws, rules, regulations, and policies affecting human capital in today's workplace.
- Compare and contrast compensation packages and incentives used to recruit and retain employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Select 5 courses from the following:

- [BUSN310 - Business Theory](#)
- [BUSN313 - Global and Competitive Strategy](#)
- [BUSN316 - Fundamentals of Entrepreneurship](#)
- [FINC400 - Principles of Financial Management](#)
- [HRMT310 - Career Counseling](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [HRMT412 - Compensation and Benefits](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT417 - Health, Safety, and Security in the Workplace](#)
- [HRMT419 - Recruitment and Staffing](#)
- [HRMT422 - Bargaining and Negotiation](#)
- [HRMT427 - International Human Resource Management](#)
- [HRMT430 - Performance Management](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [MGMT332 - Leading Others Leadership Counseling](#)
- [MGMT414 - Strategic Planning](#)
- [MGMT490 - Independent Study: Management](#)
- [MKTG307 - Consumer Behavior](#)
- [RTMG150 - Retail Organization Fundamentals](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG221 - Retail Photo Operations](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandising Operations](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Concentration in Human Resource Management (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine various laws, rules, regulations, and policies affecting human capital in today's workplace.
- Compare and contrast compensation packages and incentives used to recruit and retain employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Concentration Requirements (15 semester hours)

- [HRMT407 - Human Resource Management](#)
- [HRMT412 - Compensation and Benefits](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT419 - Recruitment and Staffing](#)

Concentration in Leadership (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine measurement tools that will assist one with determining levels of self-awareness, emotional intelligence, and personality.
- Demonstrate techniques that will lead others to greater personal self-awareness through general counseling and active listening.
- Develop strategies on creating change in the workplace, including how to build teams and lead staff during critical times.
- Evaluate the principles of leader development in organizations and the tools that allow development and growth to occur (i.e. 360-degree assessments, mentoring).

Concentration Requirements (15 semester hours)

- [HRMT411 - Dispute Resolution](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [MGMT414 - Strategic Planning](#)

Concentration in Retail Management (15 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to become effective retail managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate retail management practices.

Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Management Retail Management concentration also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program will be able to:

- Examine the functions and applications of various retail management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Determine the needs of today's retail managers in assessing and implementing strategies used in the management of information technology, financial, and human resources in the retail workplace.
- Evaluate and apply retail managerial concepts to strategic issues impacting the effectiveness of retail managers in today's competitive and global organizations.
- Demonstrate the ability to recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global retail environment.

Concentration Requirements (15 semester hours)

- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)

And select 3 courses from the following:

- [MKTG307 - Consumer Behavior](#)
- [RTMG150 - Retail Organization Fundamentals](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG221 - Retail Photo Operations](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandizing Operations](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [MGMT495 - Senior Seminar in Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Marketing

This program attracts military recruiters and students from other walks of life who are drawn to a fast-paced environment and are interested in careers in sales and/or promotions. Students gain self-motivation and self-confidence, the ability to work well with others, a creative approach to problem solving, a willingness to take appropriate risks, and the ability to spot trends. Graduates of this program typically go on to employment with the military, government, or corporate environments that involve product and service development, research, planning, distribution channels, logistics and transportation, sales promotion, sales, pricing strategy, advertising, and public relations.

Statement of Mission - School of Business

APUS' School of Business mission is to prepare students to be principled leaders in the global business community through a flexible learning environment that leverages technology and best practices focused on the practical application of knowledge.

- Priorities:**
- Curriculum: Provide a well-rounded curriculum that blends practical, real-world application and theoretical aspects of business and economics in a global context.
 - Teaching: Foster understanding through strategic goals, quality instruction, and continuous evaluation by faculty who are real-world practitioners and scholars.
 - Student Interaction: Encourage students to reach their highest potential through collaborative relationships that motivate and sustain growth individually and organizationally.
 - Learning Outcomes: Build competencies in effective communication, critical thinking, quantitative experience, knowledge-based decision making, and ethical behavior.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of marketing, graduates in this degree program will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Apply marketing principles to a particular business.
- Use marketing research to identify and exploit business opportunities.
- Critically analyze an organization's marketing function and assemble and apply the various marketing strategies and techniques that align with the organization's mission.
- Develop a strategic marketing plan.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">● COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century

LITR211 - English Literature: 18th Century to Present

- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (39 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [BUSN100 - Basics of Business](#)
- [BUSN311 – Law and Ethics in the Business Environment](#)
- [FINC300 - Foundations of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MGMT101 - Principles of Supervision](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MKTG201 - Fundamentals of Marketing](#)
- [MKTG308 - Social Media Marketing](#)
- [MKTG400 - Marketing Research](#)
- [MKTG401 - Marketing Strategy](#)
- [MKTG420 - Branding](#)
- [MKTG423 - Marketing Writing](#)

And select 1 course from the following:

- [ECON201 - Microeconomics for Business](#)
- [ECON202 - Macroeconomics for Business](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Analytics, or a Concentration in Sales.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [MKTG301 - Principles of Sales](#)
- [MKTG303 - Strategic Internet Marketing](#)
- [MKTG304 - Public Relations](#)
- [MKTG305 - Advertising](#)
- [MKTG403 - Marketing Management](#)
- [MKTG407 - International Marketing](#)
- [MKTG410 - Contracting and Negotiating](#)
- [MKTG499 - Independent Study: Marketing](#)

Concentration in Analytics (15 semester hours)

Data procurement and analysis is a vital role in marketing and business. It helps ensure that the business is operating efficiently, that marketing programs that are implemented are effective, and creates better tools for marketers to use during the decision-making process. In addition to the institutional, general education, and program level learning objectives, the Concentration in Analytics is designed to provide additional information to marketing students to enhance their skills to make more objective-based decisions in today's business environment.

Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.
- Recommend business solutions.
- Develop business processes and improvements.
- Develop functional business capabilities.
- Facilitate and manage recommended projects.

Concentration Requirements (15 semester hours)

- [BUSN330 - Fundamentals of Business Analysis I](#)
- [BUSN331 - Fundamentals of Business Analysis II](#)
- [BUSN332 - Business Use Cases](#)
- [BUSN333 - Project Management for Business Analysts](#)
- [MKTG403 - Marketing Management](#)

Concentration in Sales (15 semester hours)

Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate a clear understanding of the sales process including a mastery of sales closes.
- Communicate effectively using oral, written, and electronic documentation skills.
- Analyze customer needs and formulate solutions.
- Use critical thinking and creative and logical analysis skills, strategies, and techniques to solve complex business problems.
- Implement and apply current technical and non-technical solutions to business activities, systems, and processes.
- Demonstrate leadership while working effectively in a sales team environment to accomplish a common goal.
- Demonstrate a foundation of business knowledge and decision-making skills that supports and facilitates lifelong professional development.

Concentration Requirements (15 semester hours)

- [MKTG301 - Principles of Sales](#)
- [MKTG303 - Strategic Internet Marketing](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG403 - Marketing Management](#)
- [MKTG410 - Contracting and Negotiating](#)

Final Program Requirements (3 semester hours)

- [MKTG495 - Senior Seminar in Marketing](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Middle Eastern Studies

A program of study focused on the world's most volatile and controversial region, this degree addresses the political, religious, military, economic, and social/cultural issues of the Middle East. From a wide variety of courses ranging from holy wars to a city-study on Jerusalem, students can choose areas and topics of the Middle East of most interest to them.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

General Knowledge of Comparative Politics

- Compare the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international and transnational organizations in both a global and regional setting.
- Compare and contrast the political, economic, social and military components of national and regional power.
- Evaluate the role of civilization in relationships among nations.

Knowledge of the Middle East

- Evaluate the historical conquests of the region and analyze the colonized peoples’ experiences and world views.
- Determine how conflict and shifting alliances shaped the development of the region.
- Understand the political, economic, security, diplomatic, and social challenges facing Middle Eastern countries individually and as a region.

Middle Eastern Culture

- Compare and contrast the history, essential tenets, and central practices of different cultures within the Middle East.
- Evaluate how the Islamic faith impacts all aspects of the lives of Muslims.
- Characterize the sociological, political, and religious ideologies that influence the literature of the region.
- Distinguish between Islam as a religion and Islamic culture and history.

Arab-Israeli Relations

- Evaluate the motivations of competing Arab-Israeli forces in defense of their respective positions in the ongoing dialogue and confrontation.
- Assess the arguments on both sides of the foundational issues.
- Consider other issues in the context of the wider regional influences that bear upon the future of the Israelis and Arabs in Israel (the West Bank and Gaza).

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- ENGL101 - Proficiency in Writing [Required]
- ENGL102 - Effectiveness in Writing
- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century

- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [IRLS210 - International Relations I](#)
- [IRLS213 - Political Geography](#)
- [IRLS260 - Middle Eastern Culture](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS360 - Global Politics of Islam](#)
- [IRLS412 - Comparative Foreign Policy](#)
- [IRLS460 - Government and Security in the Middle East](#)
- [IRLS464 - Middle Eastern Political Economy](#)

Major Requirements (21 semester hours)

Select 7 courses from the following:

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy](#)
- [IRLS468 - Politics and Security in the Persian Gulf](#)
- [LITR365 - Middle Eastern Literature](#)
- [RELS330 - Religions of the Middle East](#)
- [RELS353 - Islam](#)

Final Program Requirements (3 semester hours)

- [IRLS493 - Capstone: Middle Eastern Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Military History

The program ensures that students will learn about the "big picture" through exposure to five historical perspectives while allowing them to tailor the major to their individual interests during the junior and senior years. This degree is for those who seek understanding of the military art and science as well as a general education in the liberal arts. The degree is quite different from history degrees at other universities because it is focused on the forces of human conflict and how those forces have shaped and continue to shape civilization. Students receive a foundation in: (1) the philosophy, strategy, and tactics of conflict; (2) generalship, leadership, and management of warfare, and of people; (3) great historical battles and their influences on society; (4) the influence of technology on warfare, and on society; and (5) the history of related issues such as diplomacy, foreign affairs, international law, war and society, and future war.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of military history, graduates in this degree program will be able to:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [HIST300 - Research Methods in History](#)
- [MILH201 - Introduction to Military History](#)
- [MILH202 - Survey of American Military History](#)
- [MILH221 - War from Antiquity to 1700](#)
- [MILH222 - War from 1700 to the Present](#)
- [MILH303 - Readings in Military Leadership](#)
- [MILH304 - Readings in Military Philosophy](#)

Students must choose a concentration for this degree program and may select from a General Concentration or a Concentration in American Military History.

General Concentration (33 semester hours)

Students who pursue the General Concentration will learn about the "big picture" through exposure to five historical perspectives. They will learn critical and analytical thinking, and effective writing and research methods. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover Ancient and Classical Military History, American Military Campaign Histories, Diplomacy and Peacekeeping, Strategy and Operations, and Current Issues and Future Trends.

Objectives

Students who successfully complete this program will be able to:

- Identify a broad knowledge of the historical literature that pertains to the topics of study included in the degree program and locate the linkage between historical studies and allied disciplines.
- Interpret historical forces that have shaped social change and contemporary human problems and discern an understanding of the historical experiences that go beyond a single time period and national or cultural experience.
- Analyze historical material and make judgments, to establish causal relationships between facts, to find order and patterns, and to answer why and how - not just simply report.
- Analyze the contributions of the major military philosophers and leaders to the understanding of military history.
- Examine the dynamics of diplomacy and peacekeeping as they have existed throughout history and in the present.
- Discuss the major military events, technologies, and nations that shaped our past and contemporary world.
- Examine the operational art and warfare options practiced in historical and modern scenarios.

Concentration Requirements (33 semester hours)

- [MILH362 - Ancient Military History](#)
- [MILH363 - 17th and 18th Century Military History](#)
- [MILH364 - Medieval Military History](#)
- [MILH365 - The Napoleonic Wars and the Long Peace](#)
- [HIST491 - Writing a Research Proposal](#)

And select 6 courses from the following:

- [HIST406 -Civil War and Reconstruction, 1861-1877](#)
- [MILH320 - The American Revolution](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH370 - The Korean War](#)
- [MILH371 - The Vietnam War](#)
- [MILH411 - Diplomacy and War I](#)
- [MILH412 - Diplomacy and War II](#)
- [MILH421- History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988-Present](#)
- [MILH480 - Special Topic: Military History](#) - Students will need permission from the Department Chair to take this course.
- [MILH490 - Independent Study: History](#) - Students will need permission from the Department Chair to take this course.

Concentration in American Military History (33 semester hours)

A student enrolled in the Concentration in American Military History is recommended to take HIST101 - American History to 1877 and HIST221 - African American History before 1877 as part of their General Education Requirements.

Students who pursue this concentration will focus on American Military History from Colonial America to the present. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced American Military History. Topics focus on military operations but also cover foreign policy and domestic political, economic, and social components of early America to the Persian Gulf War.

Objectives

Upon completion of this concentration, students will be able to:

- Identify causes of America's break from the British Empire.
- Compare and contrast the philosophy of early American leaders.
- Analyze the reasons America pushed westward and what that expansion entailed.
- Identify and give examples of the causes of the Civil War as well as differentiate the outcomes of that war in the North and the South.
- Assess the social, economic, and political situation in America leading up to the 20th century.
- Identify the causes of the Great Depression and recognize the attempts that were made to bring America out of it.
- Analyze America's reasoning for joining both World Wars as well as identify military policy and strategy that contributed to eventual victory.
- Elaborate on the political background of the Cold War and what factors led to diplomatic struggles between the United States and the Soviet Union.
- Integrate the cultural revolution of the 1960s and what was happening in Vietnam.
- Identify major political, cultural, and economic developments from the 1980s to the 21st Century.

Concentration Requirements (33 semester hours)

- HIST406 - Civil War and Reconstruction, 1861-1877
- HIST491 - Writing a Research Proposal
- MILH320 - The American Revolution
- MILH355 - World War I
- MILH360 - World War II
- MILH370 - The Korean War
- MILH371 - The Vietnam War

Select 2 courses from the following:

- HIST402 - Colonial America
- HIST403 - The Early Republic, 1783-1815
- HIST404 - Jacksonian America, 1815-1846
- HIST405 - Antebellum America, 1846-1861
- HIST407 - The Gilded Age, 1877-1900
- HIST408 - The United States: 1900 to Second World War
- HIST409 - The United States: WWII to the Present

And select 2 courses from the following:

- MILH411 - Diplomacy and War I
- MILH412 - Diplomacy and War II
- MILH421 - History of Peacekeeping, 1945-1987
- MILH422 - History of Peacekeeping, 1988-Present
- MILH480 - Special Topic: Military History - Students will need permission from the Department Chair to take this course.

- [MILH490 - Independent Study: History](#) - Students will need permission from the Department Chair to take this course.

Final Program Requirements (3 semester hours)

- [MILH498 - Senior Seminar in Military History](#) (to be taken as the last course before graduation) [Prerequisite: HIST491 - Writing a Research Proposal. Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (27 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Military Management & Program Acquisition

This program prepares students for careers in managing military personnel and assets and provides graduates with the knowledge to develop and manage programs and systems that organizations must acquire to be successful in accomplishing their missions. The degree is appealing to government contractors and other professionals involved with the military or civilian defense establishment. Students in this program examine strategic planning, communications, finance, and management topics specific to the military and the military-industrial complex. Graduates of this program typically go on to executive employment with the military, government, or corporate environments.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of military management, graduates in this degree program will be able to:

- Integrate the unique aspects of military operations within fundamental business enterprise concepts and principles of management, public relations, finance, strategic planning, and information systems.
- Apply various aspects of human resources, leadership, program management, logistics, law, and ethics to the management of a military organization.
- Identify public administration issues that apply to the military as a federal institution.
- Identify how effective and efficient management processes can directly and indirectly influence the outcome of military operations.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN312 - Operations Research](#)
- [DEFM312 - Defense Budget Development and Execution](#)
- [DEFM314 - Military Logistics](#)
- [DEFM412 - Deliberate and Crisis Planning](#)
- [INFO331 - Management Information Systems](#)
- [LSTD304 - Military Law](#)
- [MATH302 - Statistics](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT311 - Organizational Behavior](#)

Students must choose a concentration for this degree program and may select from either the Military Management and Leadership Concentration or the Program Acquisition and Contracting Concentration.

Concentration in Military Management and Leadership (24 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify classical and contemporary management and leadership theories relevant to addressing today's organizational challenges.
- Examine human characteristics and their bearing on the management and resultant performance of organizations, including the roles of personality, motivation, values, stress, leadership skills, power bases, and communication.
- Recognize legal and ethical issues relating to the management of military personnel and resources and understand the moral and ethical responsibilities of managers in the conduct of daily activities to the organization and the American public.
- Examine the burden of leadership and identify the various challenges, behaviors, and solutions that past military leaders have employed, especially in wartime situations.
- Apply principles of strategic planning to better achieve organizational goals and meet new challenges.

Concentration Requirements (24 semester hours)

- [MGMT312 - Leadership and Motivation](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MGMT414 - Strategic Planning](#)
- [MILH303 - Readings in Military Leadership](#)

And select 3 courses from the following:

- [DEFM310 - Program and Acquisition Management I](#)
- [FINC400 - Principles of Financial Management](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT422 - Bargaining and Negotiation](#)
- [MGMT313 - Organizational Change](#)

Concentration in Program Acquisition and Contracting (24 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Examine the entire systems acquisition cycle from the point of view of government requirements and the efforts of civilian contractors to bring the system to full operational capacity.
- Apply the fundamentals of defense systems acquisition management recognizing the diverse, interrelated, and changing nature in the different disciplines of defense systems acquisition management.
- Identify the regulations and governing structures of defense systems acquisition management.

- Describe the evaluation process and evaluation criteria used by the government to evaluate and select proposals for contract following the Federal Acquisition Regulations (FAR) and the Defense Federal Acquisition Supplements (DFARS).
- Understand how to conduct basic competitive acquisitions, process awards, and handle contract protests.
- Analyze common financial issues in acquisition that include cost estimating, earned value analysis, and Planning, Programming, Budgeting, and Execution (PPBE).

Concentration Requirements (24 semester hours)

- [DEFM305 - Acquisition Business Management](#)
- [DEFM310 - Program and Acquisition Management I](#)
- [DEFM311 - Program and Acquisition Management II](#) [Prerequisite: DEFM310 - Program and Acquisition Management I]
- [DEFM410 - Program Appraisal](#)
- [DEFM415 - Acquisition Test and Evaluation](#)

And select 3 courses from the following:

- [FINC400 - Principles of Financial Management](#)
- [HRMT407 - Human Resource Management](#)
- [HRMT411 - Dispute Resolution](#)
- [HRMT415 - Human Resource Management Information Systems](#)
- [HRMT416 - Human Resource Development](#)
- [HRMT422 - Bargaining and Negotiation](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT315 - Management Communications](#)

Final Program Requirements (3 semester hours)

- [DEFM465 - Senior Seminar in Military Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (24 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Philosophy

Students in this program are exposed to Eastern, Western and contemporary philosophers and study myth, ritual, and issues of ethics and morality. They learn to think critically and objectively, to write clearly and effectively, and to develop creative solutions to unique situations. Students graduating from this program apply their skills and abilities in professions requiring a high level of analytical thought such as required in think tanks and legal professions.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of philosophy, graduates in this degree program will be able to:

- Discuss the historical development and evolution of philosophy from its origins through contemporary times.
- Explain the various schools of philosophical and moral thought, the history behind their development, and the rationale for their acceptance and practice.
- Recognize and apply logic: what makes a deductive argument valid or an inductive argument strong; an action moral or immoral; a statement believed to be true.
- Stake out a philosophical position in a written composition and critically analyze a philosophical question.
- Analyze and evaluate philosophical arguments from historical and contemporary sources.
- Apply philosophical inquiry to contemporary events.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877• HIST111 - World Civilization before 1650• HIST112 - World Civilization since 1650• HIST121 - Western Civilization before The Thirty Years War• HIST122 - Western Civilization since The Thirty Years War• HIST221 - African-American History before 1877• HIST222 - African-American History since 1877

- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I

- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)
- [PHIL101 - Introduction to Philosophy](#) (Prerequisite for all Core Courses)
- [PHIL300 - Logic](#)
- [PHIL301 - Ethical Theory and Concepts](#)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL303 - Medieval Philosophy](#)
- [PHIL400 - Contemporary Issues in Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

It is recommended, but not required, that the following be taken in sequence if scheduling allows:

[PHIL302 - Ancient Western Philosophy](#)

- [PHIL303 - Medieval Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Students must choose a concentration for this degree program and may select from either a General Concentration or a Concentration in Ethics.

General Concentration Requirements (15 semester hours):

Select 5 courses from the following:

- [CMRJ308 - Ethics in Criminal Justice](#)
- [MGMT314 - Management Ethics](#)
- [MILH304 - Readings in Military Philosophy](#)
- [PBHE361 - Moral Issues in Health Care](#)
- [PHIL310 - Studies in Chinese Thought](#)
- [PHIL311 - Studies in Japanese Thought](#)
- [PHIL320 - Environmental Ethics](#)
- [PHIL404 - Epistemology](#)
- [PHIL410 - God and World](#)
- [RELS411 - Religious Existentialism](#)

Concentration in Ethics (15 semester hours)

Ethics is becoming an increasingly important concern in different fields of endeavor from Wall Street to Main Street and from the playground to the battleground. What constitutes right action? Are we doing the right things? What should we be doing to ensure a good life for us, our families, our nation, and our world?

Objectives

Students who successfully complete this program will be able to:

- Engage the philosophical theories underpinning ethical theories and judgment.
- Assess the importance of individual moral behavior and communal ethical standards and the relationship between the two.
- Explore the influences of religion, politics and psychology on ethical theories and choices.
- Assess standard models of ethics for their strengths and weaknesses.
- Apply ethical theories to particular situations in leadership, military, business, health care, government, and environmental contexts.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [CMRJ308 - Ethics in Criminal Justice](#)
- [COMM280 - Ethics in Communications](#)
- [MGMT314 - Management Ethics](#)
- [PBHE361 - Moral Issues in Health Care](#)
- [PHIL200 - Introduction to Ethics](#)

- [PHIL320 - Environmental Ethics](#)

Final Program Requirements (3 semester hours)

- [PHIL498 - Senior Seminar in Philosophy](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Political Science

Students in this program learn about politics and study questions such as the following: Are democracies with a president and legislative branch more representative than those with a prime minister who leads the legislature? Is a two-party system better than a multi-party system? How can governments respect diverse ethnic, racial, and religious identities, and still promote bonds of common citizenship? What should be the role of the United States in an increasingly interdependent global economy? These are the types of questions that political scientists explore, but they also represent issues that require ordinary citizens to make informed judgments. This program prepares graduates for careers in government such as public management, administration of justice, military service, and the gaining and holding of elected positions. Graduates from political science programs are found in many professions, particularly those involved in large organizations with extensive internal networks requiring skills in dealing with and managing other people.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Political Science, graduates in this degree program will be able to:

Political Theory and Systems

- Analyze the fundamental theories and philosophies of government, governance, economy, and civil society.
- Compare and contrast the political elements of representative democracy and with other political systems.

The United States Political System

- Assess the three institutions of government that create and implement federal policy.
- Analyze the historical evolution and contemporary manifestations of the federal system.

Political Parties and Interest Groups

- Analyze the various roles of interest groups in the United States in both historical and modern democratic processes.
- Assess the impact of political parties on federal, state, and local government.
- Analyze the concept of diversity in American politics, to include gender, ethnicity, and age.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (27 semester hours)

- [IRLS200 - Information Literacy and Global Citizenship](#)
- [IRLS300 - Comparative Political Systems](#)

- POLS210 - American Government I
- POLS211 - American Government II
- POLS213 - Political Theory
- POLS311 - Political Parties and Interest Groups
- POLS312 - State, Local, and Community Politics
- POLS314 - Diversity Studies in Politics
- POLS410 - Public Policy

Students must choose a concentration for this degree program and may select from the General Concentration, the Concentration in Comparative Politics, the Concentration in International Relations, or the Concentration in Political Theory.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- INTL301 - U.S. Intelligence Community
- INTL434 - Threat Analysis
- IRLS210 - International Relations I
- IRLS301 - International Organizations
- IRLS302 - International Development
- IRLS405 - National and Transnational Justice
- IRLS417 - International Civil Order
- LSTD301 - Constitutional Law
- PADM300 - Public Management
- PADM301 - Public Economics
- PHIL302 - Ancient Western Philosophy
- PHIL400 - Contemporary Issues in Philosophy
- PHIL415 - Enlightenment Philosophy
- PHIL416 - Modern and Post-Modern Philosophy
- POLS420 - Comparative Politics - Parliamentary Democracy
- POLS430 - Comparative Politics - Communism
- POLS440 - Comparative Politics - Theocracy
- POLS491 - Special Topics in Political Science
- SOCI311 - Political Sociology

Concentration in Comparative Politics (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Assess the fundamental elements that comprise various non-U.S. political systems.
- Analyze how various political systems operate within the context of their indigenous environments.
- Compare and contrast the leadership structures of various political systems with the United States.
- Analyze the political participation and competing interests and groups within various political systems.
- Compare and contrast the domestic impact of politics, society, and culture on various political systems with the United States.
- Assess how various political systems affect international foreign policy and peacekeeping efforts.

Concentration Requirements (15 semester hours)

- [POLS420 - Comparative Politics – Parliamentary Democracy](#)
- [POLS430 - Comparative Politics – Communism](#)
- [POLS440 - Comparative Politics – Theocracy](#)
- [IRLS301 - International Organizations](#)
- [IRLS417 - International Civil Order](#)

Concentration in International Relations (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain how global issues, such as globalization and human rights, affect international relations.
- Discuss how international organizations, such as the United Nations and NATO, define collective security, particularly regarding peacekeeping operations.
- Describe how international justice is established and enforced.
- Examine various global development initiatives to reverse failed and failing nation-states.

Concentration Requirements (15 semester hours)

- [IRLS211 - International Relations II](#)
- [IRLS301 - International Organizations](#)
- [IRLS302 - International Development](#)
- [IRLS405 - National and Transnational Justice](#)
- [IRLS417 - International Civil Order](#)

Concentration in Political Theory (15 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Discuss the development and evolution of political theory from their origins to contemporary times.
- Analyze and evaluate political theoretical arguments from historical to contemporary sources.
- Apply political theoretical inquiry to contemporary events.
- Evaluate how philosophy influences political theory over time.
- Critique current political theories for validity.

Concentration Requirements (15 semester hours)

- [PHIL101 - Introduction to Philosophy](#) (This course is required as the first course in the concentration.)
- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL400 - Contemporary Issues in Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Final Program Requirements (3 semester hours)

- [POLS497 - Senior Seminar in Political Science](#) (to be taken as the last course before graduation) [Prerequisite: Senior

Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Psychology

Students in this degree program examine the theories and history of the workings of the human mind by studying aspects of developmental, organizational and abnormal psychology. Graduates of this program are inclined toward professions that involve a high level of human interaction such as politics, law, counseling, human services, education, law enforcement, military service, and public management.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates.

Graduates in this degree program will be able to:

- Articulate the major theoretical, historical, and conceptual ideas that underpin the broad discipline and specialty areas of psychology.
- Delineate the education, training, roles and professional responsibilities of psychologists.
- Compare methodologies used in psychological research and data analysis.
- Apply results of psychological research to contemporary issues in the field.
- Evaluate how behavior is influenced by internal, environmental, and soci-cultural factors.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (33 semester hours)

- CHFD342 - Human Life Span Development
- PSYC101 - Introduction to Psychology (Required as the first course in this program)
- PSYC102 - Professional Careers and Education in Psychology
- PSYC221 - Personality Theories
- PSYC300 - Research Methods in Psychology
- PSYC303 - Learning and Cognition
- PSYC304 - Perception
- PSYC305 - History and Systems of Psychology
- PSYC325 - Biopsychology [Prerequisite: CHFD342 - Human Life Span Development]
- PSYC406 - Psychopathology [Prerequisite: PSYC101 - Introduction to Psychology]
- SOCI332 - Statistics for Social Science

Major Requirements (15 semester hours)

Select 5 courses from the following 2 categories:

Social/Developmental Psychology

- [CHFD215 - Introduction to Child Development](#)
- [CHFD220 - Human Sexuality](#)
- [CHFD307 - Child and Adolescent Development](#)
- [CHFD308 - Infant-Toddler Development](#)
- [PSYC201 - Introduction to Social Psychology](#)
- [PSYC343 - Adult Development](#)

Clinical/Forensic/Applied Psychology

- [PSYC324 - Psychology of Addiction and Substance Abuse](#)
- [PSYC360 - Psychology of Terrorism](#)
- [PSYC431 - Psychology of Disaster](#)
- [PSYC432 - Psychology of Combat](#)
- [PSYC460 - Sports Psychology](#)

Final Program Requirements (3 semester hours)

- [PSYC498 - Senior Seminar in Psychology](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Religion

Students in this program examine Eastern and Western religions, both historical and contemporary. Students study the cultural, political, and spiritual aspects of religion while being exposed to the theological tenets of religious thought. Graduates of this program are inclined toward professions that include aspects of human services and pastoral assistance.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of religion, graduates in this degree program will be able to:

- Define the term “religion” and identify religion’s influence throughout society.
- Identify and summarize the universal and unique forms of religious expression such as sacred places, symbols, ethics, and rituals.
- Describe the concepts that comprise a religious worldview such as the creation of the world, good and evil, salvation, and the meaning of suffering.
- Discuss the various political, social, and other forms of religious life that are evident in different societies.
- Synthesize knowledge of the cultural, social, scientific and religious aspects of society.
- Explain the role that faith can play in a balanced worldview.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (24 semester hours)

- COLL300 - Research, Analysis, and Writing
- PHIL410 - God and World
- RELS101 - Introduction to the Study of Religion
- RELS201 - Introduction to World Religions
- RELS405 - Myth and Ritual
- RELS411 - Religious Existentialism
- RELS412 - Religious Fundamentalism
- SOCI420 - Sociology of Religion [Prerequisite: SOCI111 - Introduction to Sociology]

Major Requirements (18 semester hours)

Select 6 courses from the following:

- [RELS202 - Religion in America](#)
- [RELS211 - Introduction to the Old Testament](#)
- [RELS212 - Introduction to the New Testament](#)
- [RELS311 - Introduction to the Bible](#)
- [RELS314 - Catholicism and the Modern World](#)
- [RELS321 - Black Religion in America](#)
- [RELS330 - Religions of the Middle East](#)
- [RELS350 - Hinduism](#)
- [RELS351 - Buddhism](#)
- [RELS352 - Muhammad](#)
- [RELS422 - The Teachings of Jesus](#)
- [RELS441 - Modern and Contemporary Judaism](#)
- [RELS452 - Religious Cults](#)
- [RELS480 - Celtic Christianity](#)

Final Program Requirements (3 semester hours)

- [RELS498 - Senior Seminar in Religion](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Retail Management

The Bachelor of Arts in Retail Management will provide students with practical skills and theoretical knowledge needed to become effective managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate management practices in the retail industry.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Retail Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Retail Management, graduates in this degree program will be able to:

- Apply the principles and theories of planning, organizing, staffing, directing, leading, and controlling in retail management used by successful retailers in today’s global economy.
- Assess the importance of retail strategy formulation and strategic perspectives of retail management on the impact of retailing in the global economy.
- Deconstruct the impact of innovation within the retail industry to include its challenges and solution-driven strategies to remain current with today’s ever-changing technologies.
- Evaluate retail operations to include successful implementation strategies and operational processes that maximize store profits.
- Summarize and assess retail merchandising operations in the competitive marketplace in relation to corporate profitability.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- IRLS210 - International Relations I
- POLS210 - American Government I

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (21 semester hours)

- HRMT407 - Human Resource Management
- MGMT310 - Principles and Theory of Management
- MGMT410 - Strategic Management
- RTMG300 - Retail Strategy
- RTMG301 - Retail Innovation
- RTMG302 - Retail Operations
- RTMG303 - Retail Merchandising Operations

Major Requirements (18 semester hours)

- [MGMT311 - Organizational Behavior](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)
- [TLMT311 - Introduction to Transportation Management](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [RTMG495 - Senior Seminar in Retail Management](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Reverse Logistics Management

The Bachelor of Arts in Reverse Logistics Management provides an industry-based group of courses designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain. Others see reverse logistics as marketing or sales. But, within the next three to five years, you will see an increase in reverse logistics as a separate organizational component reporting directly to the CEO or CFO.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Arts in Reverse Logistics Management also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of hospitality management, graduates in this degree program will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II and SCIN233 - Physics I with Lab]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [COLL300 - Research, Analysis, and Writing](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [RLMT301 - Introduction to Reverse Logistics Management](#)
- [RLMT302 - Environmental Issues in Reverse Logistics](#)
- [RLMT303 - Technology in Reverse Logistics](#)

- [RLMT304 - Reverse Logistics Policies and Procedures](#)
- [RLMT305 - Cost and Benefit Analysis of Reverse Logistics](#)
- [RLMT306 - Green Logistics Programs and Issues](#)
- [RLMT311 - Reverse Logistics Economics](#)
- [TLMT405 - Best Practices in Reverse Logistics](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [MGMT312 - Leadership and Motivation](#)
- [RLMT307 - Food and Beverage Reverse Logistics](#)
- [RLMT308 - Consumer Electronics Reverse Logistics](#)
- [RLMT309 - Reverse Logistics Management and Operations](#)
- [RLMT310 - Hazardous Materials Handling in Reverse Logistics](#)
- [RLMT400 - Recalls Best Practices and Issues](#)
- [RLMT401 - Reverse Logistics Data and Security Resilience](#)
- [RLMT402 - International Reverse Logistics](#)

Final Program Requirements (3 semester hours)

- [RLMT495 - Senior Seminar in Reverse Logistics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (36 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Security Management

This program offers students the opportunity to learn about the principles and theories associated with various types of security, from international security to information security that focus on protection of assets. Graduates of this program are inclined toward professions that involve general public or private management, federal or local government civil service, military service, law enforcement, and private security.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Identify organizational security risk exposure; identify cost-effective mitigation strategies; and prepare for recovery strategies.
- Employ risk analysis and vulnerability assessment processes.
- Critically examine the variety and extent of losses from criminal acts, natural disasters, and security breaches facing society.
- Analyze concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Analyze the trends affecting security and loss prevention and determine the approaches to reduce losses facing businesses and institutions.
- Evaluate, from a multi-disciplinary approach, non-traditional approaches to crime prevention.
- Distinguish between traditional criminal justice roles, functions, and concepts as a reactive institution to the security roles as a preventive societal institution.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)

- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [CMRJ300 - Research Methods of Criminal Justice and Security](#)
- [SCMT319 - Global Terrorism](#)
- [SCMT370 - Principles and Theory of Security Issues](#)
- [SCMT371 - Legal and Ethical Issues in Security Management](#)
- [SCMT373 - Evaluation of Security Programs](#)
- [SCMT374 - Contemporary Issues in Security Management](#)
- [SCMT390 - Security Administration](#)
- [SCMT397 - Physical Security](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Government Security, a Concentration in Information Security, or a Concentration in Loss Prevention Management .

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [SCMT101 - Introduction to Security Management](#)
- [SCMT379 - School and Campus Security](#)
- [SCMT392 - Industrial Espionage](#)
- [SCMT396 - Protective Services](#)

Concentration in Government Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Interpret the fundamental government requirements for establishing and maintaining full spectrum security programs.
- Categorize government, industry and military infrastructure within the scope of the concept of Critical Infrastructure Protection.
- Evaluate and counter industrial and economic espionage threats and techniques in all forms and modes of attack.
- Analyze Personnel Security as a key component in the protection of National Security Information, to include background investigations, continuing evaluation, and security awareness.
- Appraise the criteria for properly constructing U.S. government-sponsored facilities and securing such facilities appropriately.
- Utilize Information Assurance techniques and technologies in U.S. government security applications.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [SCMT301 - Foundations of U.S. Government Security](#)
- [SCMT302 - Protecting U.S. Government Facilities](#)
- [SCMT303 - U.S. Government Personnel Security](#)
- [SCMT392 - Industrial Espionage](#)

Concentration in Information Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Use analytical, logical, and critical thinking abilities to analyze organizational information security requirements.
- Apply techniques and technologies to design, develop, and deploy effective information security solutions to defend

against attacks.

- Develop computer and network security solutions and apply audit practices and processes to secure organizational assets and prevent losses.
- Appraise security planning and policy principles that focus on a variety of security guidelines, policies and plans.
- Evaluate and counter industrial espionage threats and techniques that use information technology modes of attack.
- Relate law enforcement intelligence applications and templates to support investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [ISSC362 - IT Security: Attack and Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC471 - IT Security: Auditing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [SCMT392 - Industrial Espionage](#)

Concentration in Loss Prevention Management (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Identify the types of loss retailers' experience.
- Compare and contrast various Risk Management strategies.
- Explain compliance and safety aspects of Risk Management.
- Describe the strategic and operational role of human resource management.
- Examine the role of Supply Chain Management in retail operations.
- Analyze the risks associated with the global distribution chain and mitigation.
- Prepare for LPQ Certification.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [HRMT407 - Human Resource Management](#)
- [RTMG202 - Risk Management](#)
- [RTMG220 - Retail Asset Protection](#)
- [RTMG302 - Retail Operations](#)
- [TLMT313 - Supply Chain Management](#)

Final Program Requirements (3 semester hours)

- [SCMT498 - Senior Seminar in Security](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Sociology

Students in this degree program will use the unique view and perspective of sociology to study all forms of human behavior and interaction from the individual and small groups to institutions and globalization. Students will develop a sociological imagination that opens windows into unfamiliar worlds and provides a fresh look at familiar worlds. Students will develop knowledge and a toolkit of applicable skills in research, empirical and theoretical analysis, as well as well developed critical thinking and information literacy skills. Students will investigate key social institutions, contemporary social problems, and social change examining issues of race and ethnicity, gender, age, occupation, sexuality, religion, and all other characteristics of human beings. Graduates of this program are inclined to professions that involve politics, government civil service, health care, child and family support services, general public or private management, and law.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sociology, graduates in this degree program will be able to:

Sociological Literacy (knowledge of content):

- Discuss and differentiate major paradigms and classic and contemporary theories that inform the study of sociology.
- Outline and show how theories reflect the historical and social contexts of the times and cultures in which they were developed.
- Describe the major areas of sociological analysis.
- Relate the structure of modern American society, its social stratification and inequality - ethnic, racial, religious and gender differentiation, and its key social institutions including family, marriage, polity, education, economy, health, religion, and media.
- Examine the basic social processes that maintain and alter social structure and order on a structural, cultural, and individual level, especially the processes of integration, organization, urbanization, globalization, conflict and technological innovation.
- Identify the cultural, multicultural, cross-cultural, and cross-national influences on urban, suburban and rural societies.
- Explain the reciprocal relationship in the influence between societal and structural factors, individual behavior and the self's development.
- Show how social issues can be better understood by emphasizing the micro/macro connections.

Knowledge of Research Methods:

- Outline and design methodological approaches including surveys, field research, experiments, unobtrusive measures, and evaluation research.
- Explain the role of research methods in building sociological knowledge.

Research and Writing Skills:

- Construct and investigate sociological questions using the basic procedures of sociological research and understand the problems of reliability and validity.
- Discuss the data produced by sociological research and use sociological theory to interpret it.
- Examine sociological research ethics and diverse practices.
- Apply statistical knowledge and procedures and computers to gather and analyze data and interpret research findings.

Critical Thinking and Analytical Skills:

- Analyze and evaluate the body of empirical literature focused on sociological theory and application.

- Apply analytic tools, the sociological imagination, and theoretical concepts to understand human social behavior.
- Identify underlying assumptions in particular theoretical orientations or arguments.
- Identify underlying assumptions in particular methodological approaches to an issue.
- Discuss how patterns of thought and knowledge are directly influenced by political-economic social structures.
- Compare and discuss opposing viewpoints and alternative hypotheses on various issues.
- Analyze the policy implications of specific research methods and theories in relation to social problems.

Information Literacy Skills:

- Identify and select the most appropriate investigative methods or information retrieval systems.
- Construct and implement effective search strategies.
- Demonstrate the ability to identify, locate, and retrieve information.
- Analyze, evaluate, and synthesize basic social research for a specific purpose.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)

- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)

- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (24 semester hours)

- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI213 - Society, Interaction, and the Individual](#)
- [SOCI215 - Social Deviance](#)
- [SOCI303 - Classical Sociological Theory](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI305 - Contemporary Sociological Theory](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [SOCI331 - Research Methods for Sociology](#)
- [SOCI332 - Statistics for Social Science](#)

Major Requirements (15 semester hours)

Select 4 courses from the following:

- [SOCI306 - Race and Ethnicity](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI311 - Political Sociology](#)
- [SOCI315 - Food and Culture](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI321 - Environmental Sociology](#)
- [SOCI403 - Social Change](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI404 - Gender and Society](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [SOCI420 - Sociology of Religion](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [SOCI421 - Sociology of the Family](#)
- [SOCI422 - Sociology of the Law](#) [Prerequisite: SOCI111 - Introduction to Sociology]
- [SOCI423 - Sociology of Health and Illness](#)

And select 1 course from the following:

- [ANTH202 - Introduction to Cultural Anthropology](#)
- [WOMS319 - Transnational and Global Issues in Women's Studies](#)
- [WOMS320 - Introduction to Feminist Thought](#)
- [WOMS321 - Contemporary Women's Issues](#)
- [WOMS330 - The Black Woman](#)
- [WOMS343 - Native American Women](#)
- [WOMS361 - History of Women in Latin America](#)
- [WOMS378 - Women and Sports](#)
- [WOMS400 - Women of Color: Cross-Cultural Comparison](#)
- [WOMS410 - Women and Leadership](#)

Final Program Requirements (3 semester hours)

- [SOCI498 - Senior Seminar in Sociology](#) (to be taken as the last course before graduation) [Prerequisite: SOCI111 and completion of all core, major, and elective courses prior to enrollment.]

Elective Requirements (42 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Arts in Transportation and Logistics Management

The Transportation and Logistics undergraduate degree provides students with principles, management, economics, public policy, technological advancements, trends, and current issues within the logistics industry. More specifically, students will learn about the multiple modes of transportation to include air, maritime, and ground transportation, which is a critical aspect of logistics management. Students will also learn how these transportation modes impact economies, both on a domestic and global scale, as well as the practical application of cutting edge processes and standards within the current business context of transportation and logistics management.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the program also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Apply systems analysis to transportation, logistics, and supply chain management.
- Relate the multidimensional impact of transportation on the economy, public systems, national and local infrastructure, and the environment.
- Understand and evaluate the transportation systems’ political, regulatory, and legal issues.
- Describe and assess the strengths and weaknesses of the major modes of international transportation.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

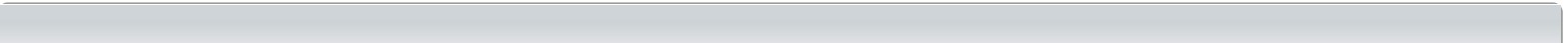
General Education Requirements (34 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)



Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
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- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [IRLS210 - International Relations I](#)
- [POLS210 - American Government I](#)

Science - 4 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
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- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (33 semester hours)

- COLL300 - Research, Analysis, and Writing
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- TLMT311 - Introduction to Transportation Management
- TLMT312 - Transportation Economics
- TLMT313 - Supply Chain Management
- TLMT331 - Fundamentals of Intermodal Transportation
- TLMT341 - Logistics Management
- TLMT351 - Packaging
- TLMT352 - Distribution Systems
- TLMT441 - Advanced Business Logistics

Students must choose a concentration for this degree program and may select from a General Concentration, a Concentration in Air Cargo, or a Concentration in Reverse Logistics Management.

General Concentration (15 semester hours)

Select 5 courses from the following:

- [BUSN310 - Business Theory](#)
- [BUSN419 - International Business Management](#)
- [EDMG420 - Risk Communications](#)
- [FINC400 - Principles of Financial Management](#)
- [FINC405 - Budget Development and Execution](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)
- [INFO331 - Management Information Systems](#)
- [POLS410 - Public Policy](#)
- [TLMT318 - Hazardous Materials Transportation](#)
- [TLMT342 - International Logistics Management](#)
- [TLMT353 - Logistics Management and Operations](#)
- [TLMT381 - Hazardous Materials Management](#)
- [TLMT405 - Best Practices in Reverse Logistics](#)
- [TLMT411 - Air Transportation](#)
- [TLMT415 - Airport Operations](#)
- [TLMT442 - International Trade and Regulations](#)

Concentration in Air Cargo (15 semester hours)

This concentration is designed to educate a new generation of airport and air operations professionals in air freight forwarding services as a key component in global logistics management, retail management, transportation management, and in accounting best practices to all components of today's complex cargo movement business environment. Students will have an opportunity to understand how air cargo rules of operation are being used in their military or civilian air logistics organization. It will provide students with the knowledge base of current applications and opportunities to study practical applications in domestic and international air transportation and air logistics scenarios.

Objectives

Upon completion of this concentration, students will be able to:

- Classify and explain the issues and challenges of implementing an air freight forwarding management system.
- Explain best practices of air cargo operations.
- Analyze the relationships and interaction among private and public sector stakeholders who secure airport operations from a variety of potential disruptions.
- Understand the role of the airport manager in the management, administration, financing and operating within small, medium, and large hub airports.
- Acquire an in-depth analysis of the complex balance of airport management and air cargo handling companies.
- Understand physical facility planning for cargo management, the economics of airport operation and the organizational structure of related companies who support the movement of air cargo through airports.

Concentration Requirements (15 semester hours)

- [TLMT415 - Airport Operations](#)
- [TLMT416 - Air Cargo Operations and Security](#)

Select 3 courses from the following:

- [FINC400 - Principles of Financial Management](#)
- [HLSS311 - Border and Coastal Security](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT331 - Leading Yourself Foundations](#)
- [TLMT342 - International Logistics Management](#)
- [TLMT411 - Air Transportation](#)

Concentration in Reverse Logistics Management (15 semester hours)

This concentration is designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, and in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain; others see reverse logistics as marketing or sales. However, within the next three to five years, one will see an increase in reverse logistics as a separate organizational component reporting directly to the CEO or CFO.

Objectives

Upon completion of this concentration, students will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [RLMT302 - Environmental Issues in Reverse Logistics](#)
- [RLMT303 - Technology in Reverse Logistics](#)
- [RLMT305 - Cost and Benefit Analysis of Reverse Logistics](#)
- [RLMT307 - Food & Beverage Reverse Logistics](#)
- [RLMT309 - Reverse Logistics Management and Operations](#)
- [RLMT400 - Recalls Best Practices and Issues](#)
- [RLMT401 - Reverse Logistics Data and Security Resilience](#)

Final Program Requirements (3 semester hours)

- [TLMT498 - Senior Seminar in Transportation and Logistics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Accounting

The Bachelor of Science in Accounting prepares students to succeed in various accounting careers in public accounting, governmental accounting, and not-for-profit accounting. Students gain the theoretical knowledge, practical skills, and research skills needed to address complex accounting issues.

The successful completion of APUS programs and courses may or may not satisfy the educational requirements for the Certified Public Accountant (CPA) exam. Educational requirements for the CPA exam vary by state. Students are responsible for checking the requirements of the state board of accountancy where they expect to sit for the CPA exam and where they desire to ultimately be licensed. Contacts for the state boards of accountancy may be found on the National Association of State Boards of Accountancy website (<http://nasba.org/stateboards/>).

Under the rules of the Texas State Board of Public Accountancy, at least 15 hours of upper-level accounting course work must result from physical attendance at classes meeting regularly on the campus of the transcript-issuing institution. Completion of APUS's accounting programs and coursework may not meet the education requirements to sit for the CPA exam or obtain a CPA license in Texas. Individuals wishing to sit for the CPA exam or obtain a CPA license in Texas should check with the Texas State Board of Public Accountancy to determine their eligibility and for additional requirements that may apply (<https://www.tsbpa.state.tx.us/>).

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Accounting also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of accounting, graduates in this degree program will be able to:

- Explain the roles accountants perform in society.
- Discuss Generally Accepted Accounting Principles (GAAP) and their controlling authorities and relate these concepts with appropriate accounting practices.
- Analyze and prepare financial information for management and stakeholders utilizing appropriate accounting analyses and reports.
- Demonstrate a basic knowledge of the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Articulate a basic knowledge of legal and business terms and concepts relating to the practice of accounting.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (42 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: MATH110 - College Algebra]
- [ACCT101 - Accounting II](#) [Prerequisite: ACCT100 - Accounting I]

- [BUSN310 - Business Theory](#)
- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN312 - Operations Research](#) [Prerequisites: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- [BUSN313 - Global and Competitive Strategy](#)
- [BUSN419 - International Business Management](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [FINC400 - Principles of Financial Management](#)
- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT314 - Management Ethics](#)
- [MKTG201 - Fundamentals of Marketing](#)

Major Requirements (27 semester hours)

- [ACCT301 - Intermediate Accounting I](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT302 - Intermediate Accounting II](#) [Prerequisite: ACCT301 - Intermediate Accounting I]
- [ACCT303 - Intermediate Accounting III](#) [Prerequisite: ACCT302 - Intermediate Accounting II]
- [ACCT305 - Accounting Information Systems](#) [Prerequisite: ACCT101 - Accounting II]
- [ACCT400 - Auditing](#) [Prerequisite: ACCT303 - Intermediate Accounting III]
- [ACCT405 - Managerial Accounting](#) [Prerequisite: ACCT301 - Intermediate Accounting or equivalent]
- [ACCT410 - Governmental and Not-for-Profit Accounting](#) [Prerequisite ACCT301 - Intermediate Accounting I]
- [ACCT415 - Law for Accountants](#)
- [ACCT420 - Individual Federal Tax](#) [Prerequisite: ACCT100 - Accounting I]

Final Program Requirements (3 semester hours)

- [ACCT499 - Senior Seminar in Accounting](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Criminal Justice - Forensics

This program is for students seeking an in-depth scientific study of crime, criminal behavior, crime scene investigation theories, and the importance of scientific analysis as evidence presented in the criminal justice system. Forensic science is the application of scientific methods and analysis of scientific data to support the law. This program focuses on the study of scientific theories and analyzing these theories associated with crime scene investigation techniques. Students will study the theory of forensic science, including the nature and scope of the discipline, the application of forensic science to crime, police investigation and the adjudication process, and the legal and ethical issues associated with forensics. Students will also examine the importance of scientific analysis of physical evidence and its place in the judicial system. Students receive a solid foundation of course work that provides the content and analytical and communication skills required for working in complex criminal justice occupations.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of criminal justice, graduates in this degree program will be able to:

- Describe the functions of police, courts, and corrections.
- Identify the basic methodological approaches in gaining criminological knowledge.
- Critically evaluate the various methodologies used to measure crime.
- Explain the socio-political nature of defining certain acts as criminal behavior.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.
- Analyze and compare major criminology theories and trends in criminal activity.
- Conduct research associated with criminal justice and criminology theories.
- Demonstrate ethical criminal justice research practices.
- Outline theories and practices associated to crime control efforts.
- Discuss theories and practice associated with crime scene investigation.
- Evaluate different theories and techniques for recovering potential evidence.
- Discuss theories of modern analytical chemistry as applied to forensic problems.
- Describe the role of data analysis in testing criminological theories and assessing crime reduction efforts.
- Display clear knowledge of ethical concerns when physical evidence is presented to the criminal justice system.
- Describe and analyze advancements made in law enforcement forensics practices.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (34 semester hours)

- [CMRJ201 - Criminal Justice Administration](#)
- [CMRJ300 - Research Methods of Criminal Justice and Security](#)

CMRJ303 - Criminology

- CMRJ306 - Criminal Investigation
- CMRJ308 - Ethics in Criminal Justice
- CMRJ329 - Criminal Profiling
- CMRJ335 - Crime Analysis
- CMRJ341 - Criminalistics
- LSTD301 - Constitutional Law
- LSTD302 - Criminal Law
- SCIN131 - Introduction to Chemistry with Lab

Concentration in Forensics Requirements (24 semester hours)

- CMRJ205 - Rape and Sexual Violence
- CMRJ330 - DNA in the Criminal Justice System
- CMRJ331 - Fingerprint Analysis
- CMRJ332 - Bloodspatter Pattern Analysis
- CMRJ333 - Firearms Forensics Investigation
- CMRJ334 - Voice Stress Analysis
- CMRJ402 - The Pathology of Death Investigations
- LSTD400 - Criminal Legal Process

Final Program Requirement (4 semester hours)

- CMRJ498 - Forensic Law Enforcement Capstone (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment]

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Cybersecurity

This program is for students interested in pursuing careers in Cybersecurity. Cybercrime, cyber terrorism, cyber espionage and cyber-attacks of mammoth levels have led Cybersecurity to become a national priority. The risks are not limited to organizations only - the United States government, every company, and every individual is impacted from these attacks. Today, we each carry anywhere from two to a dozen devices on us at all times that are subject to these attacks. Our national power grids - the bloodline for the nation's information highway, is subject to these attacks. Disruption may result in total incapacitation. Strengthening IT infrastructures and early detection and prevention of attacks is of utmost importance. Recent efforts at cybersecurity legislation have not been as efficacious as needed to fulfill the market growth in this area, leaving a shortage of qualified candidates. Government and industry analysts expect the job market in Cybersecurity to grow more than 50% in the next four years. The government needs to hire at least 10,000 experts in the near future and the private sector needs four times that number. The U.S. Bureau of Labor Statistics includes cybersecurity professionals in the larger category of "information security analysts, web developers and computer network architects"; seeing over 20% increases in employment through 2020. This program prepares the student with the necessary skills and competencies for job titles such as: cybersecurity forensic specialists, security analyst, security auditor, security consultant, security risk assessor, security manager, information security officer, security trainer, and security systems designer. These skills include the investigation of various cybersecurity resources, tools, laws, and methods, to strategically assess, evaluate, plan, design, develop, and implement countermeasures for effective cybersecurity defense mechanisms.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Cybersecurity also seeks the following specific learning outcomes of its graduates:

- Compare and contrast the various aspects of cybersecurity including the relationship between cyber defense, cyber operations, cyber exploitations, cyber intelligence, cybercrime, and cyber law within federal and state laws.
- Demonstrate an understanding of the processes and goals of cyber forensics investigations including the importance of search warrants and chain of custody in a forensic investigation of computer-related crimes.
- Develop strategies and plans for security architecture consisting of tools, techniques, and technologies to detect and prevent network penetration, and to design effective cybersecurity countermeasures.
- Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and satellite networks that affect the security of the cyberspace.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (42 semester hours)

- [ENTD261 - Scripting Languages for the Administrator](#)

- [ISSC325 - Biometrics](#)
- [ISSC342 - Operating Systems: Hardening and Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC343 - Wireless Networks](#) [Prerequisite: MATH110 - College Algebra]
- [ISSC351 - Computer Forensics](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC451 - Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITMG481 - Ethics in Information Technology](#)

Major Requirements (27 semester hours)

- [CMRJ303 - Criminology](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL440 - Cyber Warfare](#)
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

And select 4 courses from the following:

- [CMRJ320 - Law Enforcement Intelligence Applications](#)
- [ENTD412 - Systems Engineering](#)
- [INFO321 - Database Management Systems](#)
- [INTL434 - Threat Analysis](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical and Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [SCMT371 - Legal and Ethical Issues in Security Management](#)

Final Program Requirements (3 semester hours)

- [ISSC499 - Senior Seminar in Cybersecurity](#) (to be taken as the last course before graduation) [Prerequisite: ENGL101 - Proficiency in Writing. Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Electrical Engineering

The Bachelor of Science in Electrical Engineering (BSEE) program focuses on the theories, practices, methodologies, competencies, tools, and technologies associated with electrical engineering. You'll get both the online-classroom and the hands-on lab experience you'll need to excel as an electrical engineer, including firm foundations in math, computers, and physical sciences. The courses cover a broad range of topics, such as:

- Basic elements in analog circuit design.
- Fundamentals of circuit analysis—Ohm's law, Kirchhoff's law, superposition, etc.
- International System of Units.
- Digital and logic circuit analysis and design in 6 main parts.
- Energy conversion and transport.
- Electromagnetic field theory.
- Passive microwave circuit analysis and design.
- Transmitting and receiving information without wires.
- Radar and RF signal propagation, transmission, and reception.

The U.S. Bureau of Labor Statistics predicts a 4% job growth by 2022 for electrical and electronics engineers due to the engineer's versatility in developing and applying emerging technologies. Because this program fills a market-driven educational need, earning your BSEE could give you a step up in starting a career in industries ranging from aerospace, telecommunications, and defense to automotive, medical, construction, chemical, and more.

Note: The technology fee for the engineering courses (those with the ENGR and ELEN prefix) in this program is \$100. Some of the engineering courses will require you to purchase course materials to confirm and apply the concepts; the total cost for these course materials is approximately \$12,000.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program seeks the following specific learning outcomes of its graduates:

- Use knowledge of mathematics, science, and engineering.
- Design and conduct experiments.
- Analyze and interpret data.
- Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- Identify, formulate, and solve engineering problems.
- Use principles of professional and ethical responsibility.
- Use of broad education to appraise the impact of engineering solutions in a global, economic, environmental, and societal context.
- Use techniques, skills, and engineering tools necessary for engineering practice.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (26 semester hours)

English - 3 semester hours

- [ENGL101 - Proficiency in Writing](#)

History - 3 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 3 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (69 semester hours)

- [ELEN300 - Electrical Engineering Fundamentals](#) (4 semester hours)
- [ELEN303 - Measurements and Instrumentation](#)
- [ELEN305 - Electrical Circuit Analysis](#) (4 semester hours)
- [ELEN306 - Analog Circuit Theory](#) (4 semester hours)
- [ELEN307 - Digital Circuit Theory](#) (4 semester hours)
- [ELEN310 - Continuous and Discrete Signals and Systems](#) (4 semester hours)
- [ELEN312 - Energy Conversion Processes and Systems](#)
- [ELEN325 - Field Theory](#)
- [ELEN416 - Control Systems Theory and Design](#)
- [ELEN420 - Communication Systems](#)
- [ENGL220 - Technical Writing](#)
- [ENGR200 - Introduction to Engineering and Computing](#)
- [ENGR300 - Fundamentals of Mechanical Engineering](#)
- [ENTD381 - Object Oriented Programing with Java](#)
- [MATH111 - College Trigonometry](#)
- [MATH210 - Discrete Mathematics](#)
- [MATH225 - Calculus I](#)
- [MATH226 - Calculus II](#)
- [MATH240 - Differential Equations](#)
- [MATH302 - Statistics](#)
- [SCIN131 - Introduction to Chemistry with Lab](#) (4 semester hours)

Students must choose a concentration for this degree program and may select from a General Concentration, Communications Concentration, or Mechatronics Systems Concentration.

General Concentration (18 semester hours)

Concentration Requirements (18 semester hours)

Select 2 courses from the following:

- [ELEN421 - RF/Microwave Engineering 1](#)
- [ELEN426 - Antennas – Theory and Applications](#)
- [ELEN430 - Embedded Systems Design](#)
- [ENTD333 - Application Development for the iPhone and iPad](#)

And select 3 courses from the following:

- [ELEN422 - RF/Microwave Engineering 2](#) (4 semester hours)
- [ELEN423 - Wireless Communications](#) (4 semester hours)
- [ELEN427 - Radar Systems Theory](#) (4 semester hours)
- [ELEN435 - Introduction to Power Electronics](#) (4 semester hours)
- [ELEN436 - Advanced Power Electronics](#) (4 semester hours)
- [ELEN440 - Mechatronics](#) (4 semester hours)

Concentration in Communications (18 semester hours)

Concentration Requirements (18 semester hours)

- [ELEN421 - RF/Microwave Engineering 1](#)
- [ELEN422 - RF/Microwave Engineering 2](#) (4 semester hours)
- [ELEN423 - Wireless Communications](#) (4 semester hours)
- [ELEN426 - Antennas – Theory and Applications](#)
- [ELEN427 - Radar Systems Theory](#) (4 semester hours)

Concentration in Mechatronic Systems (18 semester hours)

Concentration Requirements (18 semester hours)

- [ELEN430 - Embedded Systems Design](#)
- [ELEN435 - Introduction to Power Electronics](#) (4 semester hours)
- [ELEN436 - Advanced Power Electronics](#) (4 semester hours)
- [ELEN440 - Mechatronics](#) (4 semester hours)
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]

Final Program Requirements (6 semester hours)

- [ELEN498 - BSEE - Senior Seminar Design](#)
- [ELEN499 - BSEE - Senior Seminar Project](#) (to be taken as the last course before graduation)

Elective Requirements (4 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 126 semester hours

Bachelor of Science in Environmental Science

This degree is for students interested in environmental policy and analysis as well as environment management including stewardship of natural resources, pollution management, fish and wildlife management, and hazardous materials. The program requires course work in both the natural and social sciences with a particular focus on the complex relationship among science, management, and policy. The ultimate purpose of the degree program is to provide students with a scientific understanding of ecological and social systems, which then can be applied in a policy or management context.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of environmental science, graduates in this degree program will be able to:

- Demonstrate knowledge of political, legal, economic, and social dynamics associated with the environment and management of the environment.
- Examine environmental compliance in terms of moral, political, and economic factors.
- Analyze environmental issues within their economic, historical, and theoretical context.
- Assess an environmental perspective that includes alternative approaches to economic development and incorporates a code of responsibility.
- Quantitatively and qualitatively evaluate the consequences of ecological disasters on public health, productivity, and social and economic welfare.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)

- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calcululus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (33 semester hours)

- EVSP201 - Environmental Economics
- EVSP310 - Water Science
- EVSP311 - Soil Science
- EVSP411 - Environmental Policy, Regulation, and Law
- EVSP413 - Environmental and Ecosystems Management
- MATH302 - Statistics [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, or MATH225 - Calculus]
- PHIL320 - Environmental Ethics
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN138 - Introduction to Physical Geology with Lab

Students must choose a concentration for this degree program and may select from a General Concentration, Environmental Technology and Management Concentration, Fish and Wildlife Management Concentration, Regional and Community Environmental Planning Concentration, or Sustainability Concentration.

General Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP316 - U.S. Federal Environmental Organization](#)
- [EVSP317 - Environmental Enforcement](#)
- [EVSP330 - Fish and Wildlife Policy, Programs, and Issues](#)
- [EVSP412 - Environmental Management Systems](#)
- [EVSP414 - Air Quality Management](#)
- [EVSP415 - Environmental Impact Assessment](#)
- [EVSP416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [EVSP417 - Conservation Biology](#) [Prerequisite: EVPS416 - General Ecology]
- [EVSP418 - Green Infrastructure and Renewable Technologies](#)
- [EVSP430 - Pollution and Pollution Management](#)
- [SCIN310 - Vertebrate Zoology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN311 - Fishery Biology](#)
- [SCIN314 - Botany](#)
- [SCIN316 - Plant Identification, Taxonomy and Systematics](#)
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#)
- [SCIN403 - Plant Science](#)

Concentration in Environmental Technology and Management (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Define the theoretical foundation of the disciplines of environmental hazard mitigation and pollution management.
- Explain the regulatory, policy, and political influences on environmental management and sustainability.
- Develop management strategies that incorporate environmental compliance standards and achieve organizational missions.
- Describe the current and emerging technologies in the treatment, remediation, and disposal of environmental contaminants.
- Evaluate strategies and assess mitigation plans for environmental contaminants.
- Assess the consequences of the ecological impacts on public health and safety, and social and economic welfare.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EDMG240 - Chemistry of Hazardous Materials](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP412 - Environmental Management Systems](#)
- [EVSP414 - Air Quality Management](#)
- [EVSP430 - Pollution and Pollution Management](#)

- [PBHE427 - Epidemiology](#)

Concentration in Fish and Wildlife Management (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP330 - Fish and Wildlife Policies, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP341 - Introduction to Wildlife Management](#)
- [EVSP342 - Population Ecology](#)
- [EVSP415 - Environmental Impact Assessment](#)
- [EVPS416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [EVSP417 - Conservation Biology](#) [Prerequisite: EVPS416 - General Ecology]
- [EVSP421 - Water Resources Management](#)
- [SCIN311 - Fishery Biology](#)
- [SCIN314 - Botany](#)
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#)

Concentration in Regional and Community Environmental Planning (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify critical issues in landscape level planning and development that affect regional and local environmental planners and assess their implications on the environment and quality of life for the citizenry.
- Assess the resource needs (energy, water resources, sustainability, green space, etc.) of a population and develop strategies for meeting them.
- Describe innovative approaches, alternative actions, and strategic planning efforts needed to resolve complex, landscape-level land use planning problems and meet the needs of multiple and varied stakeholders.
- Assess leading trends and challenges in the fields of local and regional planning, landscape-level planning, and environmental assessment and impact.
- Describe current and emerging technologies in sustainable land use planning and energy development and discuss appropriate applications.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP415 - Environmental Impact Assessment](#)
- [EVSP421 - Water Resources Management](#)
- [POLS312 - State, Local, and Community Politics](#)

Concentration in Sustainability (12 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Explain the foundational principles of resource and energy sustainability.
- List current and emerging renewable energy technologies.
- Explain society's dependence on fossil fuel and traditional energy sources.
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services.
- Apply the principles of sustainability to land use and development planning.
- Assess the impact of green infrastructure and sustainable design on global resource sustainability.

Concentration Requirements (12 semester hours)

Select 4 courses from the following:

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP418 - Green Infrastructure and Renewable Technologies](#)
- [EVSP421 - Water Resources Management](#)

Final Program Requirements (3 semester hours)

- [EVSP499 - Senior Seminar in Environmental Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Fire Science Management

This degree provides students with the principles, theory, and practices associated with leading edge fire science and management including issues associated with tactical fire operations, fire safety, firefighting leadership and management, and community fire issues among many others. This degree is applicable to the fire services, and it is also useful as a foundation degree for application in other professions or further academic study.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of fire science management, graduates in this degree program will be able to:

- Analyze the current and historical strategies, practices, and policies that guide the modern field of fire science.
- Demonstrate the role of fire science personnel in leading, managing, and collaborating with colleagues, subordinates, constituents, and the community.
- Apply theory and practical methods to issues in fire science.
- Summarize the methods and resources needed to effectively manage fire services.
- Examine assessment and planning tactics to improve organization and community risk management for fire services.
- Describe strategies and methods to accomplish fire science operations.
- Differentiate the various practices involved in fire science, their fundamental scientific principles, and their associated mitigation and response strategies.
- Interpret the legal and regulatory duties and responsibilities that have an impact on the fire science field.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (60 semester hours)

- COLL300 - Research, Analysis and Writing
- EDMG220 - Emergency Planning
- EDMG230 - Emergency and Disaster Incident Command
- EDMG330 - Managerial Issues in Hazardous Materials
- FSMT102 - Fire Behavior and Combustion
- FSMT188 - Fire Prevention
- FSMT201 - Fire Protection Systems
- FSMT210 - Fundamentals of Fire Protection
- FSMT287 - Fire Protection in Building Construction
- FSMT289 - Fire Protection Hydraulics and Water Supply
- FSMT311 - Fire Dynamics

- [FSMT320 - Fire Protection Structure and System Design](#)
- [FSMT321 - Community Fire Mitigation and Protection](#)
- [FSMT340 - Incendiary Fire Analysis and Investigation](#)
- [FSMT362 - Fire Administration and Finance](#)
- [FSMT405 - Fire Safety and Risk Regulation](#)
- [FSMT410 - Fire Regulation, Policy, and Law](#)
- [FSMT475 - Applications of Fire Research](#)
- [HRMT407 - Human Resource Management](#)
- [PSYC431 - Psychology of Disaster](#)

Final Program Requirements (3 semester hours)

- [FSMT498 - Senior Seminar in Fire Science](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Information Systems Security

This program is for students interested in pursuing careers in Information Systems Security (ISS) or Information Assurance (IA). Information can provide the competitive edge in both the military and civilian sectors. Protecting this information is of paramount importance. Hacking competitor information is a prevalent business and military strategy. Military and civilian jobs are becoming more technical and complex in nature, and this phenomenon is generating a corresponding requirement for higher level skills and education in Information Systems Security. Protecting the information assets of an organization is critical to maintaining the trust and the business of their clientele and to the credibility and survival of the organization. The curriculum focuses on addressing these information security needs in the marketplace. Students completing this program can apply for a broad range of IT-related positions such as: security analyst, security auditor, security consultant, security risk assessor, security manager, project manager, IT manager, information security officer, security trainer, and security systems designer.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates:

- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Information Systems Security solutions.
- Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and web-based networks.
- Prescribe Information Assurance initiatives to protect an organization's information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation.
- Develop a security architecture consisting of tools, techniques, and technologies to prevent the penetration of networks, to detect attacks, and to design effective countermeasures.
- Generate a risk assessment and risk mitigation methodology to analyze and manage risks in the context of Network Security.
- Apply the discipline of network attack and defense to develop effective countermeasures to keeping hackers outside the perimeter of the network.
- Develop Network Security audit practices, processes, and plans, and specify the roles and responsibilities of the staff on the audit team.
- Develop actionable and maintainable network and information security plans and policies that address physical security, authentication, network security, encryption, software development, email, internet, acceptable use, acceptable speech, and viruses/worms.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing

- ENGL200 - Composition and Literature

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (36 semester hours)

- [ISSC340 - Local Area Network Technologies](#)
- [ISSC342 - Operating Systems: Hardening and Securing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC362 - IT Security: Attack and Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC363 - IT Security: Risk Management](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC461 - IT Security: Countermeasures](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC471 - IT Security: Auditing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC490 - IT Security: Business Continuity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Application Security, Concentration in Cloud Computing, Concentration in Cybersecurity, Concentration in Digital Forensics, or Concentration in Enterprise Security.

General Concentration Requirements (15 semester hours)

Select 5 courses from the following:

- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD321 - Object-Oriented Programming and UML](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD331 - Application Development for the Blackberry](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]
- [ENTD361 - Enterprise Development using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and WEBD121 - Website Development Fundamentals]
- [ENTD381 - Object Oriented Programming with Java](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and WEBD241 - Website Development using JavaScript]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD461 - Enterprise Development using VB.NET: Advanced](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD462 - Enterprise Development using ASP.NET](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

- Introduction to Software Design and WEBD121 - Website Development Fundamentals]

- [ENTD463 - Enterprise Development using C#](#) [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]
- [ENTD465 - Application Development for Windows Mobile Operating System](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD481 - Enterprise Development using J2EE](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD381 - Object Oriented Programming with Java I]
- [INFO161 - Relational Databases with Microsoft Access: Introduction](#)
- [INFO171 - Relational Databases with Oracle: SQL Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with Microsoft Access: Advanced](#) [Prerequisite: INFO161 - Relational Databases with MS Access: Introduction]
- [INFO262 - Relational Databases with Microsoft Access: Project](#) [Prerequisite: INFO221 - Relational Database Concepts and INFO261 - Relational Databases with Microsoft Access: Advanced]
- [INFO271 - Relational Databases with Oracle: SQL Intermediate](#)
- [INFO321 - Database Management Systems](#)
- [INFO331 - Management Information Systems](#)
- [INFO361 - Relational Databases with Microsoft SQL Server](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, INFO221 - Relational Database Concepts, or INFO321 - Database Management Systems]
- [INFO371 - Relational Databases With Oracle: PL/SQL](#)
- [INFO471 - Relational Databases With Oracle: Forms & Reports](#)
- [ISSC321 - Computer Systems Organization: Intermediate](#)
- [ISSC322 - Computer Systems Organization: Advanced](#) [Prerequisite: ISSC321 - Computer Systems Organization: Intermediate]
- [ISSC323 - Computer Hardware Systems](#)
- [ISSC326 - Cloud Computing](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC351 - Computer Forensics](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical and Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC386 - Green Computing: Foundations and Strategies](#)
- [ISSC387 - Green Computing: Advanced Topics](#) [Prerequisite: ISSC386 - Green Computing: Foundations & Strategies]
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC426 - Cloud Security and Privacy](#) [Prerequisite: ISSC326 - Cloud Computing]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC451 - Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]

- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ITMG321 - Information Technology Project Management*](#)

OR

- [ITMG322 - Project Management using Microsoft Project*](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD222 - Advanced Web Analytics](#) [Prerequisite: WEBD122 - Introduction to Web Analytics]
- [WEBD241 - Web Site Development using JavaScript](#) [Prerequisite: WEBD121 - Website Development Fundamentals]
- [WEBD242 - Web Development using XHTML](#)
- [WEBD321 - Web eCommerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)
- [WEBD341 - Enterprise Data Exchange using XML](#) [Prerequisite: WEBD121 - Website Development Fundamentals]

*Students may not take both ITMG321 and ITMG322 to fulfill general concentration.

Concentration in Application Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Using Object-oriented design create, construct, and test programs.
- Create, construct, and test programs using object-oriented design.
- Implement Access Control Systems to prevent unauthorized access and security breaches.
- Plan, design, and develop a security strategy and solution for securing the organization's databases.
- Apply cryptographic techniques for encryption and decryption to data, files, and networks.
- Develop a security strategy and solution for securing applications compliant to certain standards, requirements and objectives.

Concentration Requirements (15 semester hours)

- [ENTD381 - Object-Oriented Programming with Java](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Concentration in Cloud Computing (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Demonstrate a thorough comprehension of the key principles of cloud computing and the security and privacy involved with this emerging technology.
- Examine Service-Oriented Architecture (SOA) and convert logical designs into services that can be implemented in today's Cloud environments.
- Assess, evaluate, and apply the necessary tools to analyze an organization's assets and verify if the cloud security and privacy implications are justifiable in implementing Cloud Computing.
- Employ the appropriate resources to model service specifications and service contracts to perform service orchestration.
- Demonstrate effective decision making and management techniques to support the organization's objective of growth while putting best practices into place.
- Apply best practices for the next generation IT professional through continuous awareness for the environmental impact when developing and implementing IT systems and reap the business benefits of adopting a Green IT strategy.

Concentration Requirements (15 semester hours)

- [ISSC326 - Cloud Computing](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC386 - Green Computing: Foundations and Strategies](#)
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC426 - Cloud Security and Privacy](#) [Prerequisite: ISSC326 - Cloud Computing]

Concentration in Cybersecurity (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Demonstrate an understanding of the processes and goals of cyber forensics investigations.
- Assess and select Federal and State laws and legal concepts that affect how governments and organizations think about information security.
- Support the importance of search warrants and chain of custody in a forensic investigation.
- Apply the field of Cybersecurity and the regulatory standards and compliances.
- Gain the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes.

Concentration Requirements (15 semester hours)

- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC351 - Computer Forensics](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC451 - Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]]

Concentration in Digital Forensics (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks both, caused by mobile and wireless peripheral devices, then evaluate security and access procedures within wireless Internet use subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, e-mail tracking techniques, e-mail crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.
- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

Concentration Requirements (15 semester hours)

- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]

Concentration in Enterprise Security (15 semester hours)

Objectives

Upon completion of this concentration, students will be able to:

- Create a security plan to address the policies and guidelines for an organization's security requirements, users both internal and external, operational costs, geography, capacity and growth plans.
- Using Object-oriented design, create, construct, and test programs.
- Apply and develop best practices in emerging technologies for Linux systems, networks, firewalls, and applications.
- Plan, design, and develop a security strategy and solution for securing the organization's databases.
- Examine and develop best practices for physical penetration testing and defense techniques against physical attacks and apply safeguards for probing facilities towards perimeter security.
- Develop a security strategy and solution for securing applications compliant to certain standards, requirements and objectives.

Concentration Requirements (15 semester hours)

- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC368 - IT Security: Physical and Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Final Program Requirements (3 semester hours)

- [ISSC498 - IT Security: Implementation Plan \(Capstone\)](#) (to be taken as the last course before graduation) [Prerequisite: [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]

Electives (27 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Information Technology

This program provides high quality educational opportunities for students interested in pursuing careers that support our computer/information-based society and economy. The curriculum focuses on problem-solving skills and techniques needed to provide computer-based and web-based IT solutions in our global ecommerce based economy. The explosive growth of the Internet and Information Technology has generated a significant need for IT professionals and consequently for education in IT. This degree program fills this market driven educational need; it focuses on the acquisition of the theory, principles, practices, methodologies, competencies, tools, and technologies associated with the IT marketplace. This program is designed to produce academically sound and functionally competent IT professionals that have the necessary foundation to be productive in the IT industry. These degree programs are market driven; they prepare learners to exploit the high demand for IT professionals in various sectors in the industry. Students completing the IT program can apply for IT-related positions, such as: web developer, web publisher, programmer analyst, systems analyst, database analyst, database designer, .NET developer, .NET architect, information systems analyst, project manager, and information technology manager.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates:

- Use analytical, logical, and critical thinking to analyze user requirements and to design, develop, and deploy effective Information Technology solutions.
- Analyze the information needs and develop entity relationship models that represent the relationships and the cardinality in an information system.
- Appraise the principles for designing relational and object-relational database systems.
- Examine the principles and concepts of Object-Oriented Programming (OOP); also appraise the impact of (OOP) on software quality and on reusability.
- Evaluate the principles of design and analyze the process for building web sites.
- Design, develop, and deploy enterprise applications on the desktop and on the Web.
- Evaluate the impact of the .NET Framework and Visual Basic.NET on IT Management and on Global Economies as it applies to developing, deploying, and managing desktop and web-based applications.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [ENTD200 - Fundamentals of Programming](#)
- [ENTD311 - Analysis and Design of Information Systems](#)
- [ENTD321 - Object-Oriented Programming and UML](#) [Prerequisite: [ENTD200 - Fundamentals of Programming](#) or [ENTD211 - Introduction to Software Design](#)]

- [INFO161 - Relational Databases with MS Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with Microsoft Access: Advanced](#) [Prerequisite: INFO161 - Relational Databases with MS Access: Introduction]
- [ISSC340 - Local Area Network Technologies](#)
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITCC121 - Introduction to Computer Science](#)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD241 - Web Development using JavaScript](#)
- [WEBD242 - Web Development using XHTML](#)
- [WEBD341 - Enterprise Data Exchange using XML](#) [Prerequisite: WEBD121 - Web Development Fundamentals]

Students must choose a concentration for this degree program and may select from a General Concentration, E-Commerce Concentration, Mobile Computing Concentration, or Web Development using .NET Concentration.

General Concentration Requirements (15 semester hours)

- [INFO331 - Management Information Systems](#)
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

And select 3 courses from the following:

- [DSIN141 - Image Enhancement using Adobe Photoshop](#)
- [DSIN143 - Design using Adobe InDesign](#)
- [DSIN241 - Illustration and Design Studio using Adobe Illustrator](#)
- [DSIN242 - Motion Graphics using Adobe Flash](#)
- [ENTD211 - Introduction to Software Design](#)
- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD331 - Application Development for the Blackberry](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]
- [ENTD361 - Enterprise Development using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD371 - Database Driven Web Applications using PHP & MySQL](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and INFO221 - Relational Database Concepts]
- [ENTD381 - Object Oriented Programming with Java](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD461 - Enterprise Development using VB.NET: Advanced](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD462 - Enterprise Development using ASP.NET](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD463 - Enterprise Development using C#](#) [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or

- ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]
- [ENTD464 - Enterprise Development using .NET: Project](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD465 - Application Development for Windows Mobile Operating Systems](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD481 - Enterprise Development using J2EE](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [INFO111 - Enterprise Data Presentation with Crystal Reports](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, or INFO171 - Relational Databases with Oracle: SQL Introduction, or INFO221 - Relational Database Concepts]
- [INFO171 - Relational Databases with Oracle: SQL Introduction](#)
- [INFO271 - Relational Databases with Oracle: SQL Intermediate](#)
- [INFO321 - Database Management Systems](#)
- [INFO361 - Relational Databases with Microsoft SQL Server](#) [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, INFO221 - Relational Database Concepts, or INFO321 - Database Management Systems]
- [INFO371 - Relational Databases With Oracle: PL/SQL](#)
- [INFO399 - Information Technology Practicum](#) [Students will need permission from the faculty member to take this course.]
- [INFO471 - Relational Databases With Oracle: Forms & Reports](#)
- [ISSC326 - Cloud Computing](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC341 - Introduction to Networking](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC362 - IT Security: Attack & Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical & Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC386 - Green Computing: Foundations & Strategies](#)
- [ISSC387 - Green Computing: Advanced Topics](#)
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC426 - Cloud Security and Privacy](#)
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC441 - Network Telecommunication Concepts](#)
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]

- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC471 - IT Security: Auditing](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC481 - IT Security: Planning and Policy](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ITCC112 - Advanced Productivity Applications](#)
- [ITCC200 - Application Software Integration](#)
- [ITMG321 - Information Technology Project Management*](#)

OR

- [ITMG322 - Project Management using Microsoft Project*](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [ITMG421 - Virtual Management](#)
- [ITMG471 - Information Systems: Policy and Planning](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD220 - Web 2.0 Fundamentals](#)
- [WEBD222 - Advanced Web Analytics](#) [Prerequisite: WEBD122 - Introduction to Web Analytics]
- [WEBD321 - Web eCommerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)

*Students may not take both ITMG321 and ITMG322 to fulfill concentration requirements.

E-Commerce Concentration (15 semester hours)

The purpose of this concentration is to broaden the scope of understanding e-commerce for information technology students interested in using this technology. As the technology field shifts, the curriculum must embrace the changes in technology to appropriately address the needs of the students. The growth of the World Wide Web, supported by the increased use of the Internet to purchase goods and services, has led to e-commerce, or electronic commerce, the buying and selling of products and services via computer networks. E-commerce is now one of the leading trends in Web technology that is influencing the use of Websites. Two pioneers of e-commerce are Amazon.com, which sells books and other goods, and Priceline.com, which allows customers to pay for airline tickets and hotel rooms online. E-commerce focuses on three major types of e-commerce as defined by B2B (business-to-business) commerce, B2C (business-to-consumer), and C2C (consumer-to-consumer). Upon completion of this concentration, graduates will be able to:

- Explain the principles and practices of e-commerce technology.
- Analyze guidelines and techniques associated with e-commerce development.

- Summarize the growing trends of e-commerce development and how it is transforming businesses.
- Analyze Web technology tools available to manage e-commerce.
- Apply Web analytics, Web videography, search engine optimization, and Web content management systems skills to promote e-commerce.

Concentration Requirements (15 semester hours):

- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD321 - Web eCommerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)

Mobile Computing Concentration (15 semester hours)

Upon completion of this concentration, graduates will be able to:

- Examine the principles and practices of mobile computing.
- Summarize the growing trends of mobile computing development and how it is transforming businesses.
- Research guidelines and techniques associated with mobile application design, development, and deployment.
- Analyze, design, develop, write, test and deploy mobile applications into the target platform environment.
- Assess the benefits of designing and developing mobile application software to promote mobile computing for Droid, Blackberry, iPhone, and iPad.

Concentration Requirements (15 semester hours):

- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENTD200 - Introduction to Engineering and Computing (for engineering majors)]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD465 - Application Development for Windows Mobile Operating Systems](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Web Development using .NET Concentration (15 semester hours)

This concentration focuses on the principles and practices necessary to design, develop, and deploy web applications using the .NET framework on the Web. Graduates will be able to build real-world .NET applications based on the knowledge and skills gained in the program. This program prepares the adult learner to seek entry-level career positions such as: Web database developer, Visual Basic developer, C# developer, and .NET developer. In addition to applying and using Object-Oriented Programming (OOP), Visual Basic, ASP, and C# to develop web applications. Upon completion of this concentration, graduates will be able to:

- Summarize the impact of the .NET framework on IT Management, on security, and on global economies as it applies to enterprise ecommerce solutions on the Web.
- Examine the use of Object-Oriented Programming (OOP) principles in Visual Basic, ASP, and C#.
- Analyze the hierarchy of the Framework Class Libraries (FCL)
- Design application objects and properties for use on the web.

- Develop application objects and properties for use on the Web.
- Explain the architecture, life cycle, management issues, and process for developing Visual Basic, ASP, and C# web applications.

Concentration Requirements (15 semester hours):

- [ENTD361 - Enterprise Development using VB.NET: Introduction](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD461 - Enterprise Development using VB.NET: Advanced](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD462 - Enterprise Development using ASP.NET](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD463 - Enterprise Development using C#](#) [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]
- [ENTD464 - Enterprise Development using .NET: Project](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Final Program Requirements (3 semester hours)

- [INFO498 - Information Technology: Capstone](#) (to be taken as the last course before graduation) [Prerequisite: [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (24 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Information Technology Management

This program is for students interested in pursuing careers in fields that support our computer/information-based society and economy. The curriculum focuses on problem-solving skills and techniques needed to provide computer-based solutions to practical problems. Students develop and communicate technological solutions to industrial problems, manage systems operations, improve and evaluate products, provide customer support, and facilitate technology transfer in industry and government. Students learn to apply ethical judgments and critical thinking to assess the impact of information technology on contemporary social, political, and economic issues. Students completing the IT program can apply for a range of IT-related positions, such as: programmer analyst, systems analyst, database analyst, information systems analyst, network analyst, security analyst, security risk assessor/manager, project manager, computer resource manager, and IT manager.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of Information Technology Management, graduates in this degree program will be able to:

- Interpret fundamental computer science concepts and use computer applications to enhance productivity.
- Integrate the theory and practice of information technology with the fundamental principles of business enterprise management, finance, operations, strategic planning, and marketing.
- Examine the influences of technology on the conduct of business operations, the rise of e-commerce, the globalization of business, and the increase in telecommuting.
- Apply the principles of Information Technology Management in a modern organization.
- Identify the prevailing legal principles and issues associated with information technology the workplace and in society at large.
- Appraise the principles and practices of database systems, local area networks, information systems, information security, and information technology project planning.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)

- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors

- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (33 semester hours)

- [BUSN320 - Principles of E Business](#)
- [ENTD200 - Fundamentals of Programming](#)
- [INFO321 - Database Management Systems](#) [Prerequisite: [ISSC340 - Local Area Network Technologies](#)]
- [INFO331 - Management Information Systems](#)
- [ISSC340 - Local Area Network Technologies](#)
- [ISSC363 - IT Security: Risk Management](#) [Prerequisite: [ISSC340 - Local Area Network Technologies](#) or [ISSC341 - Introduction to Networking](#) or [ISSC343 - Wireless Networks](#)]

- [ITCC111 - Basic Productivity Applications](#)
- [ITCC121 - Introduction to Computer Science](#)
- [ITMG371 - Contemporary Internet Topics](#)
- [WEBD311 - Internet Concepts](#)

And select 1 course from the following:

- [ITMG321 - Information Technology Project Management](#)
- [ITMG322 - Project Management using Microsoft Project](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [ENTD311 - Analysis and Design of Information Systems](#)
- [ENTD313 - Mobile Application Design and Development](#)
- [ENTD322 - Application Development for the Droid](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD331 - Application Development for the Blackberry](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [ENTD333 - Application Development for the iPhone and iPad](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENGR200 - Introduction to Engineering and Computing (for Engineering majors)]
- [ENTD413 - Advanced Mobile Application Design and Development](#)
- [ENTD465 - Application Development for Windows Mobile Operating Systems](#) [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]
- [INFO171 - Relational Databases with Oracle: SQL Introduction](#)
- [INFO271 - Relational Databases with Oracle: SQL Intermediate](#)
- [INFO371 - Relational Databases With Oracle: PL/SQL](#)
- [INFO399 - Information Technology Practicum](#) [Students will need permission from the faculty member to take this course.]
- [INFO471 - Relational Databases With Oracle: Forms & Reports](#)
- [ISSC326 - Cloud Computing](#)
- [ISSC331 - Legal Issues in Information Security](#)
- [ISSC344 - Open Source System Security](#)
- [ISSC345 - Service-Oriented Architecture](#)
- [ISSC364 - IT Security: Access Control and Authentication](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC366 - IT Security: Cryptography](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC368 - IT Security: Physical & Peripheral Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC386 - Green Computing: Foundations & Strategies](#)
- [ISSC387 - Green Computing: Advanced Topics](#)
- [ISSC411 - Application Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC421 - Computer and Network Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC424 - Virtualization Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

- [ISSC426 - Cloud Security and Privacy](#)
- [ISSC431 - Database Systems Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC441 - Network Telecommunication Concepts](#)
- [ISSC452 - Cybersecurity](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC455- Digital Forensics: Investigation Procedures and Response](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ITCC112 - Advanced Productivity Applications](#)
- [ITMG421 - Virtual Management](#)
- [ITMG471 - Information Systems: Policy and Planning](#)
- [WEBD122 - Introduction to Web Analytics](#)
- [WEBD222 - Advanced Web Analytics](#) [Prerequisite: WEBD122 - Introduction to Web Analytics]
- [WEBD321 - Web e-Commerce Development](#)
- [WEBD322 - Web Videography](#)
- [WEBD323 - Search Engine Optimization](#)
- [WEBD324 - Web Content Management Systems](#)

Final Program Requirements (3 semester hours)

- [ITMG498 - IT Management: Senior Seminar](#) (to be taken as the last course before graduation) [Prerequisite: ENGL101 - Proficiency in Writing and Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Legal Studies

This program is designed for students interested in the study of law and legal issues or for those interested in a social sciences-oriented degree that emphasizes governance, civil and criminal processes, legal systems, and the theory and philosophy of justice.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. Graduates in this degree program will be able to:

- Identify historical events and figures that have contributed to the present-day court system in the United States.
- Conduct legal research and demonstrate the fundamentals of legal writing and citation.
- Identify and apply the procedural vehicles used by agencies for making agency policy, including agency investigations and subpoenas, agency rulemaking and agency adjudication
- Analyze the processes, ethics, and procedures of the modern legal practice.
- Explain the various rights provided to United States Citizens by the U.S. Constitution, Amendments, Bill of Rights, and various U.S. Supreme Court decisions.
- Relate the purpose and scope of criminal law in America to its sources.
- Examine the various legal issues related to family law.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (21 semester hours)

- [LSTD204 - Introduction to the Courts](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD210 - Legal Ethics](#)
- [LSTD300 - Administrative Law and Policy](#)
- [LSTD301 - Constitutional Law](#)
- [LSTD302 - Criminal Law](#)
- [LSTD303 - Family Law](#)

Major Requirements (18 semester Hours)

Select 6 courses from the following:

- [BUSN311 - Law and Ethics in the Business Environment](#)
- [EVSP411 - Environmental Policy, Regulation, and Law](#)

- [HOSP204 - Introduction to Hotel and Restaurant Law](#)
- [HOSP302 - Hospitality Law](#)
- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)
- [LSTD207 - Civil Practice and Procedure](#)
- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [LSTD304 - Military Law](#)
- [LSTD306 - International Law](#)
- [LSTD401 - Maritime Law](#)
- [LSTD402 - Immigration Law and Policy](#)
- [LSTD453 - Evidence](#)
- [POLS410 - Public Policy](#)
- [SOCI422 - Sociology of the Law](#) [Prerequisite: [SOCI111 - Introduction to Sociology](#)]

Final Program Requirements (3 semester hours)

- [LSTD497 - Senior Seminar in Legal Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (39 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics provides students with the mathematical skills to synthesize knowledge from the branches of mathematics to solve the critical issues we face today and in the future. The program provides students with practical skills and theoretical knowledge of mathematics, statistics, and computational methods. The program is designed to focus on knowledge of mathematics, the critical thinking skills necessary to assess, evaluate, and apply practical solutions to complex issues and the application of quantitative and qualitative methods in a wide variety of work disciplines. This degree will prepare our graduates to use their skills in almost every sector of the job market including mathematics-based positions in business, industry, engineering, management, government, and the military services.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science in Mathematics also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of mathematics, graduates in this degree program will be able to:

- Apply calculus, statistics, and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate mathematical models.
- Apply mathematical models to solve problems or provide insights into complex issues.
- Implement qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate mathematics verbally and in writing.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (39 semester hours)

- [BUSN312 - Operations Research](#) [Prerequisite: MATH110 - College Algebra, MATH111 - College Trigonometry, and MATH225 - Calculus]
- [ENGL220 - Technical Writing](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [MATH200 - Analytic Geometry](#) [Prerequisite: MATH110 - College Algebra]
- [MATH210 - Discrete Math](#) [Prerequisite: MATH110 - College Algebra]
- [MATH220 - Linear Algebra](#) [Prerequisite: MATH110 - College Algebra]
- [MATH225 - Calculus](#) [Prerequisite: MATH111 - College Trigonometry]
- [MATH226 - Calculus II](#) [Prerequisite: MATH225 - Calculus]
- [MATH227 - Calculus III](#) [Prerequisite: MATH226 - Calculus II]
- [MATH239 - Data Analysis and Presentation](#) [Prerequisite: MATH220 - Linear Algebra]
- [MATH240 - Differential Equations](#) [Prerequisite: MATH226 - Calculus II]

- [MATH302 - Statistics](#) [Prerequisite: MATH110 - College Algebra]
- [MATH320 - Mathematical Modeling](#) [Prerequisite: MATH220 - Linear Algebra]
- [MATH328 - Probability Theory with Applications](#) [Prerequisite: MATH226 - Calculus II]

Students must choose a concentration for this degree program and may select from a Concentration in Applied Mathematics, Concentration in Operations Research, or a Concentration in Statistics.

Concentration in Applied Mathematics (21 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Applied Mathematics seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Apply advanced mathematical theory and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate advanced mathematical models.
- Implement advanced mathematical models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods, and results of advanced mathematics analyses verbally and in writing.

Concentration Requirements (21 semester hours)

- [MATH305 - Real Analysis](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH360 - Mathematics History and Development](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH412 - Graph Theory](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH418 - Topology](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH419 - Set Theory](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH460 - Principles of Applied Math](#) [Prerequisite: MATH305 - Real Analysis]
- [MATH470 - Measurement Theory](#) [Prerequisite: MATH305 - Real Analysis]

Concentration in Operations Research (21 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Operations Research seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Apply advanced analytical and operations research methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate operational models.
- Implement operational models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize advanced mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods and results of operations research analyses verbally and in writing.

Concentration Requirements (21 semester hours)

- [MATH330 - Linear Optimization](#) [Prerequisite: MATH220 - Linear Algebra]
- [MATH340 - Multivariate Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH370 - Waiting Line Models and Systems](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH375 - Inventory Models and Systems](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH410 - Design of Experiments](#) [Prerequisite: MATH340 - Multivariate Statistics]
- [MATH415 - Operational Simulation](#) [Prerequisite: MATH302 - Statistics and MATH320 - Math Modeling]
- [MATH420 - Game Theory and Decision Models](#) [Prerequisite: MATH220 - Linear Algebra and MATH225 - Calculus]

Concentration in Statistics (21 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Statistics seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Apply advanced statistics and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate mathematical and statistical models.
- Implement mathematical and statistical models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods and results of statistical analyses verbally and in writing.

Concentration Requirements (21 semester hours)

- [MATH325 - Linear Regression I](#) [Prerequisite: MATH220 - Linear Algebra and MATH302 - Statistics]
- [MATH335 - Non-Parametric Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH340 - Multivariate Statistics](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH360 - Mathematics History and Development](#) [Prerequisite: MATH320 - Math Modeling]
- [MATH410 - Design of Experiments](#) [Prerequisite: MATH340 - Multivariate Statistics]
- [MATH431 - Linear Regression II](#) [Prerequisite: MATH325 - Linear Regression I]
- [MATH440 - Stochastic Processes](#) [Prerequisite: MATH320 - Math Modeling]

Final Program Requirements (3 semester hours)

- [MATH499 - Senior Seminar in Mathematics](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (18 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Bachelor of Science in Natural Sciences

The B.S. in Natural Sciences prepares you for entry-level careers as a scientist or laboratory technician or manager, or to pursue higher-level graduate study in the natural science fields. Through this undergraduate degree program you will:

- Gain the scientific and analytical skills needed to become a well-rounded scientist
- Build a solid foundation in the sciences through multiple courses of study in biology, chemistry, physics and earth science
- Perform hands-on laboratory exercises to complement the topics and concepts covered in lecture material
- Learn the unique structure, style, process, and documentation required for scientific writing
- Study the history and philosophy of science including prominent contributors from the ancient Greeks to current day
- Understand essential elements of scientific research and issues associated with the scientific method, experimental and non-experimental research design, and statistical data analyses

In addition, the program meets all content standards of the National Science Teachers Association (NSTA) for secondary science education. Therefore, upon completion of this program, you will be eligible to pursue teacher’s certification through a post-baccalaureate program in education if your goal is to become a high school or middle school science teacher.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, the Bachelor of Science degree in Natural Sciences seeks the following specific learning outcomes of its graduates:

- Demonstrate a solid foundation in the theory and application of the natural sciences.
- Apply the scientific method and appropriate tools to investigate and solve problems.
- Demonstrate critical thinking skills in assessing and evaluating problems.
- Formulate scientific models and apply them to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the scientific domains.
- Use quantitative techniques to solve complex problems.
- Effectively communicate scientific findings verbally and in writing, to both scientific and lay audiences.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (27 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 3 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877

- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH111 - College Trigonometry

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (51 semester hours)

- [BIOL133 - General Biology I with Lab](#) (4 semester hours)
- [BIOL134 - General Biology II with Lab](#) (4 semester hours) [Prerequisite: BIOL133 - General Biology I with Lab]
- [CHEM133 - General Chemistry I with Lab](#) (4 semester hours)
- [CHEM134 - General Chemistry II with Lab](#) (4 semester hours) [Prerequisite: CHEM133 - General Chemistry I with Lab]
- [ENGL221 - Scientific Writing](#) [Prerequisite: ENGL101 - Proficiency in Writing]
- [GEOG103 - Physical Geography](#)
- [HIST270 - History of Science](#)
- [MATH225 - Calculus](#) [Prerequisite: MATH111 - College Trigonometry]
- [MATH226 - Calculus II](#) [Prerequisite: MATH225 - Calculus]
- [MATH302 - Statistics](#) [Prerequisite: Math110 - College Algebra, or MATH111 - College Trigonometry, or MATH225 - Calculus]
- [PHIL202 - Philosophy of Science](#)
- [SCIN299 - Natural Sciences Review](#)
- [SCIN400 - Research Methods in Natural Sciences](#) [Prerequisite: SCIN299 - Natural Sciences Review]

Select 1 course from the following:

- [PHYS133 - Elements of Physics I with Lab](#) (4 semester hours) [Prerequisite: MATH110 - College Algebra]
- [SCIN233 - Physics I with Lab](#) (4 semester hours) [Prerequisite: MATH225 - Calculus]

And select 1 course from the following:

- [PHYS134 - Elements of Physics II with Lab](#) (4 semester hours) [Prerequisite: PHYS133 - Elements of Physics I with Lab]
- [SCIN234 - Physics II with Lab](#) (4 semester hours) [Prerequisites: SCIN233 - Physics I with Lab and MATH226 - Calculus II]

Students must choose a concentration for this degree program and may select from the Biology or Earth Science Concentrations.

Concentration in Biology (29 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Describe the organization, functions, and biochemical pathways required for life at the cellular level.
- Integrate the laws of chemistry and physics with the principles of cell biology.
- Relate the structures and functions of multicellular organisms with the maintenance of homeostasis.
- Integrate the principles of genetics, heredity, and biological evolution.
- Relate the survival of individual organisms with the principles of population biology, the environment, and biological evolution.
- Describe common research methods in biology.

Concentration Requirements (29 semester hours)

- [BIOL240 - Elements of Biological Chemistry](#) [Prerequisites: BIOL134 - General Biology II with Lab and CHEM134 - General Chemistry II with Lab]
- [BIOL241 - Cell Biology](#) [Prerequisites: BIOL134 - General Biology II with Lab and CHEM134 - General Chemistry II with Lab]
- [BIOL342 - Evolutionary Biology with Lab](#) (4 semester hours) [Prerequisites: BIOL134 - General Biology II with Lab and SCIN211 - Principles of Genetics with Lab]
- [EVSP416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN211 - Principles of Genetics with Lab](#) (4 semester hours) [Prerequisite: SCIN130 - Introduction to Biology with Lab]

And select 4 courses from the following:

- [BIOL301 - Molecular Biology](#) [Prerequisites: BIOL134 - General Biology II with Lab and SCIN211 - Principles of Genetics with Lab]
- [BIOL322 - Developmental Biology](#) [Prerequisites: BIOL241 - Cell Biology and SCIN211 - Principles of Genetics with Lab]
- [GEOG200 - Fundamentals of GIS I](#)
- [SCIN202 - Microbiology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN206 - Marine Biology](#)
- [SCIN310 - Vertebrate Zoology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [SCIN311 - Fisheries Biology](#)
- [SCIN316 - Plant Identification, Taxonomy, and Systematics](#)
- [SCIN360 - Advanced Human Anatomy and Physiology](#) [Prerequisite: SCIN132 - Introduction to Human Anatomy and Physiology with Lab]
- [SCIN401 - Mammalogy](#)
- [SCIN402 - Ornithology](#)
- [SCIN403 - Plant Science](#)

Concentration in Earth Science (29 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Use the scientific method and scientific tools to solve problems related to the Earth.
- Demonstrate a comprehensive understanding of the interrelated physical, chemical, and biological processes operating in the Earth system.
- Identify the process and features associated with the Earth's interior, landscapes, oceans, and atmosphere.
- Construct a history of the Earth, focusing on physical, chemical, and biological changes.

- Present earth science information clearly, in multiple formats (written, oral, graphically).
- Integrate knowledge of earth science into an understanding of societal issues and problems.
- Demonstrate good scientific ethics.
- Identify different earth materials, including those of economic value.

Concentration Requirements (29 semester hours):

- [ERSC204 - Earth System History](#) [Prerequisite: SCIN138 - Introduction to Physical Geology with Lab]
- [ERSC206 - Weather and Climate](#) [Prerequisites: PHYS134 - Elements of Physics II with Lab or SCIN234 - Physics II with Lab and MATH226 - Calculus II]
- [ERSC305 - Ocean and Atmospheric Dynamics](#) [Prerequisites: PHYS134 - Elements of Physics II with Lab or SCIN234 - Physics II with Lab and MATH226 - Calculus II]
- [GEOG200 - Fundamentals of GIS I](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#) (4 semester hours)
- [SCIN261 - Introduction to Planetary Science with Lab](#) (4 semester hours)

And select 3 courses from the following:

- [ERSC301 - Hydrology](#) [Prerequisite: GEOG103 - Physical Geography]
- [ERSC302 - Geomorphology](#) [Prerequisite: SCIN138 - Introduction to Physical Geology with Lab]
- [ERSC303 - Conservation of Natural Resources](#)
- [ERSC401 - Natural Hazards and Society](#) [Prerequisites: ERSC206 - Weather and Climate, ERSC302 - Geomorphology, and GEOG103 - Physical Geography]
- [EVSP310 - Water Science](#)
- [EVSP311 - Soil Science](#)
- [EVSP416 - General Ecology](#) [Prerequisite: SCIN130 - Introduction to Biology with Lab]
- [GEOG201 - Fundamentals of Geographic Information Systems II](#) [Prerequisite: GEOG200 - Fundamentals of GIS I]

Final Program Requirements (3 semester hours)

- [SCIN499 - Senior Seminar in Natural Sciences](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (9 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major. Students in the Biology concentration are encouraged to consider the Human Anatomy and Physiology with Lab sequence (BIOL250 and BIOL251, 4 semester hours each) as part of their elective choices.

Total = 122 semester hours

Bachelor of Science in Nursing

The Online RN to Bachelor of Science in Nursing (BSN) program at American Public University System is designed to facilitate the immediate and lifelong professional development needs of Registered Nurses who earned an associate degree in nursing and have a current, active license as a Registered Nurse. Accredited by the Commission on Collegiate Nursing Education (CCNE), the curriculum reflects current nursing practice and the Institute of Medicine recommendations for nursing education.

The program focuses on the development of the professional nursing role in three primary areas: Practitioner, Scientist and Leader. Students work with faculty to implement and evaluate a professional development plan to improve critical thinking, clinical reasoning, oral and written communication comprehension of published research, and knowledgeable, skillful participation in organizational, community, and global health issues. The program builds a strong foundation for graduate study.

The baccalaureate program at American Public University System is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791.

This program has specific admission requirements.

Degree Program Objectives

Graduates in this degree program will be able to:

- Improve performance in the professional nursing role by developing leadership, management, and communication skills to improve the health of individuals, families, and communities.
- Enhance communication and collaboration with patients, families, and members of healthcare teams to achieve effective and efficient coordination of care.
- Utilize evidence and leadership principles to promote a culture of safety and achieve outcomes that are grounded in institutional values and professional ethics.
- Develop competence with available technologies to access critical information, network with other professionals, and facilitate optimal patient care.
- Apply scientific principles and the nursing process to evaluate responses to therapies and changes in patient stability.
- Integrate knowledge of human and organizational behavior to lead teams and promote cultures of safety.
- Analyze the impact of financial, regulatory, and political decisions on local, national and global health outcomes.
- Integrate knowledge of ethical, socioeconomic, and cultural factors to decrease health disparities and advocate for vulnerable populations.
- Value lifelong learning and participation in professional networks to promote and shape the profession of nursing.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">● COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs.

Major Requirements (33 semester hours)
Associate degree in nursing or diploma degree in nursing.

Current active, unencumbered registered nursing license.

- [MATH302 - Statistics](#) [Prerequisites: MATH110 - College Algebra, MATH111 - College Trigonometry, MATH 225 - Calculus]

Students fulfill 30 semester hour requirements by having a current, active registered nursing license.

General Education Requirements (30 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)
- [HIST221 - African-American History before 1877](#)
- [HIST222 - African-American History since 1877](#)
- [HIST223 - History of the American Indian](#)

Humanities - 3 semester hours

- [ARAB100 - Arabic I](#)
- [ARAB101 - Arabic II](#)
- [ARTH200 - Art Appreciation](#)
- [CHIN100 - Chinese I \(Mandarin\)](#)
- [CHIN101 - Chinese II \(Mandarin\)](#)
- [COMM200 - Public Speaking](#)
- [FREN100 - French I](#)
- [FREN101 - French II](#)
- [GERM100 - German I](#)
- [GERM101 - German II](#)
- [HRMT101 - Human Relations Communication](#)
- [MUSI200 - Music Appreciation](#)
- [PHIL101 - Introduction to Philosophy](#)
- [PHIL200 - Introduction to Ethics](#)
- [RELS201 - Introduction to World Religions](#)
- [RUSS100 - Russian I](#)
- [RUSS101 - Russian II](#)
- [SPAN100 - Spanish I](#)
- [SPAN101 - Spanish II](#)
- [SPAN201 - Intermediate Spanish Literacy: La Novela](#)

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- [LITR201 - World Literature through the Renaissance](#)
- [LITR202 - World Literature since the Renaissance](#)
- [LITR210 - English Literature: Beowulf to 18th Century](#)
- [LITR211 - English Literature: 18th Century to Present](#)
- [LITR220 - American Literature before the Civil War](#)
- [LITR221 - American Literature from The Civil War to Present](#)

Mathematics - 3 semester hours

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations](#)

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (32 semester hours)

- [NURS300 - Professional Transitions in Nursing](#)
- [NURS310 - Assessment, Evaluation and Clinical Decision-Making](#) [Prerequisite: [NURS300 - Professional Transitions in Nursing](#)]
- [NURS320 - Integrated Pathophysiology and Clinical Pharmacology I](#) [Prerequisite: [NURS310 - Assessment, Evaluation and Clinical Decision-Making](#)]
- [NURS330 - Integrated Pathophysiology and Clinical Pharmacology II](#) [Prerequisite: [NURS320 - Integrated Pathophysiology and Clinical Pharmacology I](#)]

- [NURS340 - Science of Evidence-Based Practice](#) [Prerequisites: MATH302 - Statistics, NURS330 - Integrated Pathophysiology and Clinical Pharmacology II]
- [NURS350 - Transformational Leadership and Cultures of Safety](#) [Prerequisite: NURS340 - Science of Evidence-Based Practice]
- [NURS400 - Emerging Scholarship and Trends in Healthcare](#) [Prerequisite: NURS350 - Transformational Leadership and Cultures of Safety]
- [NURS401 - Caring for Today's Veterans](#)
- [NURS410 - Community Health I](#) (4 semester hours) [Prerequisite: NURS400 - Emerging Scholarship and Trends in Healthcare]
- [NURS420 - Community Health II](#) (4 semester hours) [Prerequisite: NURS410 - Community Health I]

Final Program Requirements (3 semester hours)

- [NURS498 - Senior Seminar in Nursing Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment]

Elective Requirements (20 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Public Health

This degree provides a professionally focused understanding of public health issues in America and abroad including the science, psychology, and sociology associated with public health issues. Students will study public law, policy, and administration associated with the effective and efficient administration of public health and will learn of the health system, its management, finances, and structure. Students in this program are typically interested in (or already employed in) some aspect of the health system, concerned of the public health situation in the United States and/or abroad, or are generally interested scholars who seek a public-minded degree.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of public health, graduates in this degree program will be able to:

- Apply organizational design principles to the unique healthcare organization construct.
- Perform macro- and microeconomic analyses of healthcare production and costs.
- Critically analyze the healthcare system in the United States.
- Create a plan for efficient healthcare system management.
- Develop an ethical system to analyze moral issues in public health services delivery.
- Discuss epidemiological issues in society.
- Appraise the U.S. medical care system, its problems, and potential for reform.
- Analyze international and comparative public health concepts, approaches, and systems.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I
- IRLS210 - International Relations I

Science - 8 semester hours including the required 1-hour labs

- BIOL250 - Human Anatomy and Physiology I
- BIOL251 - Human Anatomy and Physiology II
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab
- SCIN132 - Human Anatomy and Physiology with Lab
- SCIN133 - Introduction to Physics with Lab
- SCIN134 - Introduction to Astronomy with Lab
- SCIN135 - Introduction to Forestry with Lab
- SCIN136 - Introduction to Oceanography with Lab
- SCIN137 - Introduction to Meteorology with Lab
- SCIN138 - Introduction to Physical Geology with Lab
- SCIN139 - Introduction to Human Ecology with Lab
- SCIN140 - Introduction to Environmental Science with Lab
- SCIN233 - Physics I with Lab [Prerequisite: MATH225 - Calculus]
- SCIN234 - Physics II with Lab [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- ANTH100 - Introduction to Anthropology
- CHFD220 - Human Sexuality
- ECON101 - Microeconomics
- ECON102 - Macroeconomics
- GEOG101 - Introduction to Geography
- PSYC101 - Introduction to Psychology
- SOCI111 - Introduction to Sociology
- SOCI212 - Social Problems
- SOCI220 - American Popular Culture

Core Requirements (35 semester hours)

- COLL300 - Research, Analysis, and Writing
- PBHE112 - Health Services Organization
- PBHE209 - Wellness: Health Promotion and Disease Prevention
- PBHE211 - Public Health in America
- PBHE315 - Health Economics and Finance
- PBHE361 - Moral Issues in Health Care
- PBHE426 - Quarantine
- PBHE427 - Epidemiology
- POLS410 - Public Policy
- SCIN130 - Introduction to Biology with Lab
- SCIN131 - Introduction to Chemistry with Lab

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [EDMG220 - Emergency Planning](#)
- [EDMG230 - Emergency and Disaster Incident Command](#)
- [EDMG340 - Consequence Management](#)
- [EDMG420 - Risk Communications](#)
- [HLSS212 - Chemical, Biological and Radiological Hazards](#)
- [HLSS320 - Intelligence and Homeland Security](#)
- [PBHE111 - Introduction to Health Care Administration](#)
- [PBHE413 - Special Operations in Emergency Medical Services](#)
- [PSYC324 - Psychology of Addiction and Substance Abuse](#)
- [PSYC406 - Psychopathology](#)
- [PSYC431 - Psychology of Disaster](#)

Concentration in Health and Wellness (15 semester hours)

In addition to the institutional, general education, and program level learning objectives, the Concentration in Health and Wellness seeks the following specific learning outcomes of its graduates.

Objectives

Students who successfully complete this program will be able to:

- Evaluate the role of nutrition on individual health.
- Describe issues related to the personality factors in exercise and the psychological effects of exercise.
- Discuss challenges related to motivation and the fundamentals of achievement motivation to guide practice and performance.
- Explain concepts related to social, environmental, and occupational factors in health and illness.
- Analyze human food choices from an ecological, political, and sociological perspective.

Concentration Requirements (15 semester hours)

- [PSYC460 - Sports Psychology](#)
- [SOCI315 - Food and Culture](#)
- [SOCI423 - Sociology of Health and Illness](#)
- [SPHE295 - Foundations of Nutrition](#)
- [SPHE314 - Exercise Physiology](#)

Final Program Requirements (3 semester hours)

- [PBHE498 - Senior Seminar in Public Health](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (15 semester hours)

Select any courses that have not been used to fulfill core, major, or concentration requirements. Credits applied toward a minor

or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 121 semester hours

Bachelor of Science in Space Studies

This program blends the study of space science, management, operations, economy, and national security. After completing the core courses in the general program, students will take four courses that cover space station, satellite, space craft, or transportation systems as well as courses in planetary and space explorations, space weapons, space weather, and astronomy.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this degree also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of space studies, graduates in this degree program will be able to:

Research and Analysis

- Conduct fundamental quantitative and qualitative research related to space systems and theory.
- Analyze the principles of manned and unmanned flight outside of Earth’s atmosphere.

Scientific Investigation

- Calculate and apply basic laws of planetary motion and gravitation including two-body mechanics.
- Describe rocket fundamentals including propellants, combustion principles, and general components.

National and International Security

- Assess the institutions of space law and determine how these institutions affect applications such as commercial and private satellite sales and arms control.
- Describe the role(s) of key space organizations in the United States.
- Evaluate the political and commercial significance of major national and international space endeavors including past, current, and planned.
- Analyze the advantages and disadvantages of space systems in modern warfare, including manned and unmanned aerial vehicles as well as space-based platforms.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- HIST101 - American History to 1877
- HIST102 - American History since 1877
- HIST111 - World Civilization before 1650
- HIST112 - World Civilization since 1650
- HIST121 - Western Civilization before The Thirty Years War
- HIST122 - Western Civilization since The Thirty Years War
- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra

- [MATH111 - College Trigonometry](#)
- [MATH125 - Math for Liberal Arts Majors](#)
- [MATH225 - Calculus](#)

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (38 semester hours)

- [MATH110 - College Algebra](#)
- [MATH111 - College Trigonometry](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SPST300 - Introduction to Space Studies](#) [Prerequisite: MATH111 - College Trigonometry]

- [SPST301 - Introduction to Space Flight](#)
- [SPST302 - Comets, Asteroids, and Meteorites](#)
- [SPST303 - History of Space](#)
- [SPST304 - National Space Organization](#)
- [SPST305 - Introduction to Orbital Mechanics](#)
- [SPST306 - Human Space Flight](#)
- [SPST307 - Space Policy](#)

Major Requirements (12 semester hours)

Select 4 courses from the following:

- [SPST415 - Space Station Systems and Operations](#)
- [SPST425 - Satellite and Spacecraft Systems](#)
- [SPST435 - Planetary and Space Exploration](#)
- [SPST445 - Space Transportation Systems](#)
- [SPST455 - Space Weapons and Missile Defense](#)
- [SPST465 - Space Weather](#)
- [SPST475 - History of Astronomy](#)
- [SPST490 - Independent Study - Aerospace](#)

Final Program Requirements (3 semester hours)

- [SPST499 - Senior Seminar in Space Studies](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (30 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 124 semester hours

Bachelor of Science in Sports and Health Sciences

The Sports and Health Sciences degree is a scientific study of human movement and human behavior relative to exercise, fitness, nutrition, health, and wellness. This degree is designed to prepare students to meet challenges in these dynamic and emerging fields of study. Students will engage in core issues and concepts in areas such as anatomy and physiology, nutrition, kinesiology, and exercise programming and testing. An emphasis is placed on biophysical functions, evidence based practice and principles applicable to human movement and performance in physical activity.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sports and health sciences, graduates in this degree program will be able to:

- Apply fundamental concepts of human anatomy, physiology, nutrition, health, and kinesiology to applications in sports and fitness.
- Perform motivational strategies and tactics designed to guide practice and performance in physical activity.
- Design a healthful diet for varying populations based off sound nutritional principles and concepts generated from the Dietary Guidelines for Americans.
- Critically analyze steroids usage on athletic performance including associated muscle reaction and medical risks.
- Illustrate appropriate procedures for treating upper and lower body sport injuries.
- Construct exercise programs applicable in fitness, rehabilitation, and athletic training settings.
- Evaluate suitability of common exercises based on muscle action for exercise program design.

Degree Program Requirements

First Course Requirement - 3 semester hours

- [COLL100 - Foundations of Online Learning](#) - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours

- [ENGL101 - Proficiency in Writing](#) [Required]
- [ENGL102 - Effectiveness in Writing](#)
- [ENGL200 - Composition and Literature](#)

History - 6 semester hours

- [HIST101 - American History to 1877](#)
- [HIST102 - American History since 1877](#)
- [HIST111 - World Civilization before 1650](#)
- [HIST112 - World Civilization since 1650](#)
- [HIST121 - Western Civilization before The Thirty Years War](#)
- [HIST122 - Western Civilization since The Thirty Years War](#)

- HIST221 - African-American History before 1877
- HIST222 - African-American History since 1877
- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- [POLS210 - American Government I](#)
- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: MATH225 - Calculus]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: MATH226 - Calculus II]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (36 semester hours)

- [BIOL250 - Human Anatomy and Physiology I](#) (4 semester hours)
- [BIOL251 - Human Anatomy and Physiology II](#) (4 semester hours)
- [PSYC460 - Sports Psychology](#)
- [SCIN131 - Introduction to Chemistry with Lab](#) (4 semester hours)
- [SPHE290 - Foundations of Sports and Health Sciences](#)
- [SPHE295 - Foundations of Nutrition](#)
- [SPHE314 - Exercise Physiology](#)
- [SPHE320 - Nutrition](#) [Prerequisite: SPHE295 - Foundations of Nutrition]
- [SPHE405 - Sports First Aid](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- [SPHE420 - Exercise Programming and Testing](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- [SPHE421 - Kinesiology](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]

Students must choose a concentration for this degree program and may select from a General Concentration, Coaching Studies, Exercise Science, or Fitness and Wellness Professional Studies Concentrations.

General Concentration Requirements (18 semester hours)

Select 6 courses from the following:

- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [MATH302 - Statistics](#)
- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PBHE315 - Health Economics and Finance](#)
- [PBHE427 - Epidemiology](#)
- [SPHE315 - Training and Conditioning](#)
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE317 - Sports Medicine](#) [Prerequisite: BIOL251 - Human Anatomy and Physiology II]
- [SPHE318 - Coaching Theory and Methodology](#)
- [SPHE323 - Sports Conditioning](#)
- [SPHE324 - Biomechanics](#)
- [SPHE350 - Coaching Baseball Technical and Tactical Skills](#)
- [SPHE351 - Coaching Basketball Technical and Tactical Skills](#)
- [SPHE352 - Coaching Football Technical and Tactical Skills](#)
- [SPHE416 - Athletic Programs Administration](#)
- [SPHE417 - Leadership Concepts in Coaching](#)
- [SPHE425 - Therapeutic Exercise](#) [Prerequisite: SPHE317 - Sports Medicine]
- [SPHE460 - Business Aspects of Fitness and Wellness](#)
- [SPHE461 - Current Issues and Trends in Fitness and Wellness](#)

Concentration in Coaching Studies (18 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Identify strategies to effectively communicate athletes, fellow coaches, officials, school administrators, and parents.
- Examine methods for teaching and evaluating technical and tactical sport skills.
- Analyze and evaluate leadership strategies and apply them to coaching principles.

Concentration Requirements (18 semester hours)

- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [SPHE318 - Coaching Theory and Methodology](#)
- [SPHE323 - Sports Conditioning](#)
- [SPHE416 - Athletic Programs Administration](#)
- [SPHE417 - Leadership Concepts in Coaching](#)

And select 1 course from the following:

- [SPHE350 - Coaching Baseball Technical and Tactical Skills](#)
- [SPHE351 - Coaching Basketball Technical and Tactical Skills](#)
- [SPHE352 - Coaching Football Technical and Tactical Skills](#)

Concentration in Exercise Science (18 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Apply scientific knowledge to train athletes and clients for the primary goals of improving athletic performance and fitness.
- Apply exercise prescription principles for training variation, injury prevention, and reconditioning.
- Analyze sport movements and design movement-oriented exercise prescriptions.

Concentration Requirements (18 semester hours)

- [MATH302 - Statistics](#)
- [SPHE315 - Training and Conditioning](#)
- [SPHE317 - Sports Medicine](#) [Prerequisite: SCIN360 - Advanced Human Anatomy and Physiology]
- [SPHE323 - Sports Conditioning](#)
- [SPHE324 - Biomechanics](#)
- [SPHE425 - Therapeutic Exercise](#) [Prerequisite: SPHE317 - Sports Medicine]

Concentration in Fitness and Wellness Professional Studies (18 semester hours)

Objectives

Students who successfully complete this program will be able to:

- Analyze the structure of healthcare financing and economic principles.
- Evaluate environmental, sociocultural, and economic factors that influence fitness and wellness professional practices throughout society.
- Integrate healthy lifestyle and behavior practices for improving overall well-being.

Concentration Requirements (18 semester hours)

- [PBHE209 - Wellness: Health Promotion and Disease Prevention](#)
- [PBHE315 - Health Economics and Finance](#)
- [PBHE427 - Epidemiology](#)
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE460 - Business Aspects of Fitness and Wellness](#)
- [SPHE461 - Current Issues and Trends in Fitness and Wellness](#)

Final Program Requirements (3 semester hours)

- [SPHE490 - Senior Seminar in Sports and Health Sciences](#) (to be taken as the last course before graduation) [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (25 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Bachelor of Science in Sports Management

The Sports Management degree prepares students to meet the demands of working in the sports industry through applying a variety of management, leadership, administration, and business learned competencies, skill sets, and knowledge throughout the curriculum. Students will learn to analyze, evaluate, and synthesize core issues central to sports finance, sports marketing, sports sociology, and sports ethics.

Degree Program Objectives

In addition to the institutional and general education level learning objectives, this program also seeks the following specific learning outcomes of its graduates. With reference to each of the respective areas of sports management, graduates in this degree program will be able to:

- Describe the impact of legal principles and considerations in sport management on the decision-making process for sport managers.
- Apply management principles, concepts, and practices associated with the operations and maintenance of sports and recreation facilities.
- Appraise sociological, historical, political, and philosophical aspects of sport.
- Examine ethical practices, procedures, and decision-making models used in sports management professions.
- Apply financial management principles and concepts to managing a sports organization and facility.
- Analyze the dimensions of specific sport marketing plans and strategies.

Degree Program Requirements

First Course Requirement - 3 semester hours
<ul style="list-style-type: none">• COLL100 - Foundations of Online Learning - Required as the first course in all undergraduate programs

General Education Requirements (38 semester hours)

English - 6 semester hours
<ul style="list-style-type: none">• ENGL101 - Proficiency in Writing [Required]• ENGL102 - Effectiveness in Writing• ENGL200 - Composition and Literature

History - 6 semester hours
<ul style="list-style-type: none">• HIST101 - American History to 1877• HIST102 - American History since 1877• HIST111 - World Civilization before 1650• HIST112 - World Civilization since 1650• HIST121 - Western Civilization before The Thirty Years War• HIST122 - Western Civilization since The Thirty Years War• HIST221 - African-American History before 1877• HIST222 - African-American History since 1877

- HIST223 - History of the American Indian

Humanities - 3 semester hours

- ARAB100 - Arabic I
- ARAB101 - Arabic II
- ARTH200 - Art Appreciation
- CHIN100 - Chinese I (Mandarin)
- CHIN101 - Chinese II (Mandarin)
- COMM200 - Public Speaking
- FREN100 - French I
- FREN101 - French II
- GERM100 - German I
- GERM101 - German II
- HRMT101 - Human Relations Communication
- MUSI200 - Music Appreciation
- PHIL101 - Introduction to Philosophy
- PHIL200 - Introduction to Ethics
- RELS201 - Introduction to World Religions
- RUSS100 - Russian I
- RUSS101 - Russian II
- SPAN100 - Spanish I
- SPAN101 - Spanish II
- SPAN201 - Intermediate Spanish Literacy: La Novela

Literature - 3 semester hours

All literature courses require successful completion of ENGL101 - Proficiency in Writing

- LITR201 - World Literature through the Renaissance
- LITR202 - World Literature since the Renaissance
- LITR210 - English Literature: Beowulf to 18th Century
- LITR211 - English Literature: 18th Century to Present
- LITR220 - American Literature before the Civil War
- LITR221 - American Literature from The Civil War to Present

Mathematics - 3 semester hours

- MATH110 - College Algebra
- MATH111 - College Trigonometry
- MATH125 - Math for Liberal Arts Majors
- MATH225 - Calculus

Political Science - 3 semester hours

- POLS210 - American Government I

- [IRLS210 - International Relations I](#)

Science - 8 semester hours including the required 1-hour labs

- [BIOL250 - Human Anatomy and Physiology I](#)
- [BIOL251 - Human Anatomy and Physiology II](#)
- [SCIN130 - Introduction to Biology with Lab](#)
- [SCIN131 - Introduction to Chemistry with Lab](#)
- [SCIN132 - Human Anatomy and Physiology with Lab](#)
- [SCIN133 - Introduction to Physics with Lab](#)
- [SCIN134 - Introduction to Astronomy with Lab](#)
- [SCIN135 - Introduction to Forestry with Lab](#)
- [SCIN136 - Introduction to Oceanography with Lab](#)
- [SCIN137 - Introduction to Meteorology with Lab](#)
- [SCIN138 - Introduction to Physical Geology with Lab](#)
- [SCIN139 - Introduction to Human Ecology with Lab](#)
- [SCIN140 - Introduction to Environmental Science with Lab](#)
- [SCIN233 - Physics I with Lab](#) [Prerequisite: [MATH225 - Calculus](#)]
- [SCIN234 - Physics II with Lab](#) [Prerequisite: [MATH226 - Calculus II](#)]

Social Sciences - 6 semester hours

- [ANTH100 - Introduction to Anthropology](#)
- [CHFD220 - Human Sexuality](#)
- [GEOG101 - Introduction to Geography](#)
- [PSYC101 - Introduction to Psychology](#)
- [SOCI111 - Introduction to Sociology](#)
- [SOCI212 - Social Problems](#)
- [SOCI220 - American Popular Culture](#)

Core Requirements (30 semester hours)

- [ACCT100 - Accounting I](#) [Prerequisite: [MATH110 - College Algebra](#)]
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)
- [LSTD209 - Sports Law, Risk, and Regulation](#)
- [SPHE316 - Sports and Recreation Facility Management](#)
- [SPHE326 - Ethics in Sports](#)
- [SPHE379 - Contemporary and Social Issues in Sport](#)
- [SPHE400 - Sports Management Foundations](#)
- [SPHE412 - Sports Finance](#)
- [SPHE413 - Sports Marketing](#)

Major Requirements (15 semester hours)

- [MKTG304 - Public Relations](#)
- [SPHE416 - Athletic Programs Administration](#)
- [SPHE430 - Sports Communication](#)
- [SPHE440 - Sports Event Management and Planning](#)
- [SPHE450 - Sports Governance](#)

Final Program Requirements (3 semester hours)

- [SPHE491 - Senior Seminar in Sports Management](#) (to be taken as the last course before graduation). [Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.]

Elective Requirements (33 semester hours)

Select any courses that have not been used to fulfill core or major requirements. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.

Total = 122 semester hours

Learning Track in Business Basics

This track seeks to provide a foundation for students who are seeking a career in the business field or are already working in business but are seeking the academic credentials to support their future career plans. This track will provide a basic understanding of key business concepts and introduce students to interrelated topics that influence business decisions and drive business operations. This track is suggested for those interested in gaining an introduction to the field of business.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ACCT105 - Accounting for Non-Accounting Majors](#)
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)

Total = 9 semester hours

Learning Track in College Readiness

This track is designed for those seeking to enroll in college for the first time or for those who have been out of school for a number of years and want to pursue a certificate or complete a program in their chosen field. The participants will have an opportunity to demonstrate, develop, and enhance writing and mathematics skills necessary to support the successful completion of subsequent college courses. This track will also prepare participants to pursue learning in the online world.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ENGL101 - Proficiency in Writing](#)
- [ENGL102 - Effectiveness in Writing](#) (Prerequisite: ENGL101 - Proficiency in Writing)

Select one course from the following:

- [MATH101 - Introduction to College Algebra](#)
- [MATH 110 - College Algebra](#)
- [MATH125 - Math for Liberal Arts Majors](#)

Total = 9 semester hours

Learning Track in Criminal Justice

This track in criminal justice seeks to expand students' academic and professional development by providing a basic foundation in criminal justice theory and concepts, while developing students' ability to grasp basic law enforcement concepts and administration matters. Participants will explore subjects in an interdisciplinary context through a social science approach involving aspects of criminology, sociology, law, and political science. Additionally, participants will investigate issues related to the collection and preservation of evidence, as well as basic crime scene investigations. This program will also focus on the laws and court decisions relating to the admissibility of evidence. The track is suggested for those interested in an introduction to the field of criminal justice.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [CMRJ100 - Introduction to Law Enforcement](#)
- [CMRJ101 - Evidence and Procedures](#)
- [CMRJ201 - Criminal Justice Administration](#)

Total = 9 semester hours

Learning Track in Economics

This track seeks to provide a foundation for students to understand how macro and micro economic events influence the business environment and how economic theory can assist in the strategic and operational functioning of businesses. This track will provide a basic understanding of key business and economic concepts and introduce students to interrelated topics that influence business decisions and drive business operations. This track is suggested for those interested in gaining an introduction to the field of economics and an understanding of how economic and business theory work together.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [BUSN100 - Basics of Business](#)
- [ECON101 - Microeconomics](#)
- [ECON102 - Macroeconomics](#)

Total = 9 semester hours

Learning Track in Information Security

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Information Security. Participants will explore the protection of information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation. They will also examine the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This track is suggested for those interested in an introduction to the field of Information Security.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [ISSC361 - Information Assurance](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC362 - IT Security: Attack and Defense](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]
- [ISSC422 - Information Security](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Total = 9 semester hours

Learning Track in Information Technology (IT) Project Management

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to IT Project Management. This track will provide a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's management environment. Participants will explore the planning and processes involved in an information system project including planning, scheduling, and controlling aspects of a project during its life cycle. This track is suggested for those interested in an introduction to the field of IT Project Management.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [INFO331 - Management Information Systems](#)
- [ITMG321 - Information Technology Project Management](#)
- [ITMG322 - Project Management using MS Project](#)

Total = 9 semester hours

Learning Track in Managerial Analytics

Data procurement and analysis is playing a pivotal role in business in the pursuit to operate more efficiently, perform more effectively, and create better tools for managers for decision making. This Learning Track is designed for providing information to existing managers who need to acquire skills to make more objective-based decisions in today's business environment. Students will be given operational level theoretical and applicable use of data analysis and implementation.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [BUSN250 - Analytics I](#)
- [BUSN350 - Analytics II](#)
- [BUSN450 - Applied Analytics](#)

Total = 9 semester hours

Learning Track in Microsoft Access Database

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Microsoft Access Database. This track will introduce participants to the concepts of relational databases and to the principles of relational database design in the context of the Microsoft Access Relational Database Management System (RDBMS). Participants will examine the theories and skills necessary to develop real-world databases. This track is suggested for those interested in an introduction to the field of database development.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [INFO161 - Relational Databases with MS Access: Introduction](#)
- [INFO221 - Relational Database Concepts](#)
- [INFO261 - Relational Databases with MS Access: Advanced](#)

Total = 9 semester hours

Learning Track in Professional Development for Executives/Directors

This track is designed for executives or directors who supervise senior managers, store managers, or equivalent positions managing up to one hundred billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, strategy, social responsibility and reputation, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics & compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for very senior executives or directors.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [BUSN311 - Law and Ethics in the Business Environment](#)
- [BUSN313 - Global and Competitive Strategy](#)
- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [EVSP312 - Introduction to Sustainability](#)
- [HRMT101 - Human Relations Communication](#)
- [MGMT311 - Organizational Behavior](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)
- [MGMT314 - Management Ethics](#)
- [MKTG304 - Public Relations](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG401 - Marketing Strategy](#)
- [RLMT306 - Green Logistics Programs and Issues](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)

Total = 9 semester hours

Learning Track in Professional Development for Managers

This track is designed for store managers or equivalent positions managing up to a half billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics and compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for single store managers.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [BUSN333 - Project Management for Business Analysts](#)
- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [COMM285 - Interpersonal Communications](#)
- [HRMT101 - Human Relations Communication](#)
- [HRMT200 - Human Resource Fundamentals](#)
- [HRMT201 - Employee Training and Development](#)
- [MGMT310 - Principles and Theory of Management](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MKTG307 - Consumer Behavior](#)
- [RTMG200 - Customer Relations](#)
- [RTMG202 - Risk Management](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)
- [RTMG302 - Retail Operations](#)

Total = 9 semester hours

Learning Track in Professional Development for Senior Managers

This track is designed for senior managers who supervise multiple store managers or equivalent positions managing up to ten billion dollars in sales per year. Participants are able to select courses which will enhance their capabilities in known personal competency challenges in the areas of judgment, social responsibility and reputation, customer focus, execution and results, planning and improvement, influence and communication, talent development, building relationships, ethics and compliance, and adaptability. Specific strategies are highlighted in the available courses. This track is suggested for managers of multiple store managers.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)

Select 3 courses from the following:

- [BUSN410 - Critical Thinking Strategies for Business Decisions](#)
- [ENGL225 - Business Writing](#)
- [EVSP312 - Introduction to Sustainability](#)
- [HRMT101 - Human Relations Communication](#)
- [HRMT419 - Recruitment and Staffing](#)
- [MGMT313 - Organizational Change](#)
- [MGMT314 - Management Ethics](#)
- [MGMT315 - Management Communications](#)
- [MKTG304 - Public Relations](#)
- [MKTG307 - Consumer Behavior](#)
- [MKTG401 - Marketing Strategy](#)
- [RLMT306 - Green Logistics Programs and Issues](#)
- [RTMG202 - Risk Management](#)
- [RTMG300 - Retail Strategy](#)
- [RTMG301 - Retail Innovation](#)
- [RTMG302 - Retail Operations](#)
- [RTMG303 - Retail Merchandising Operations](#)

Total = 9 semester hours

Learning Track in Visual Design

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Computer Graphics and Visual Design. This track will introduce the participant to the principles and practices of image manipulation, image enhancement, and image storage. The participant will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, brightness, contrast, image noise, noise reduction, transparency, opacity, hue, saturation, and image layering. This track is suggested for those interested in an introduction to the field of computer graphics.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [DSIN141 - Image Enhancement using Adobe Photoshop](#)
- [DSIN142 - Graphics Design and Print Media](#)
- [DSIN241 - Illustration and Design Using Adobe Illustrator](#)

Total = 9 semester hours

Learning Track in Web Development

This track seeks to expand students' academic and professional development by providing a basic foundation in the theory and concepts related to Web Development. This track will introduce the participant to the principles, practices, and processes for building and deploying websites on the World Wide Web (WWW). This track is suggested for those interested in an introduction to the field of Web Development.

Learning Track Requirements (9 semester hours)

- [COLL099 - Classroom Success](#) (required as the first course in this program)
- [WEBD121 - Web Development Fundamentals](#)
- [WEBD241 - Web Development Using JavaScript](#)
- [WEBD242 - Web Development Using XHTML](#)

Total = 9 semester hours

Undergraduate Minor - Area Studies: African Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region and allow students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)

- [HIST340 - History of Africa](#)
- [IRLS220 - African Peoples and Cultures](#)
- [IRLS322 - African Politics](#)
- [IRLS392 - Globalization and the Market Economy](#)
- [LITR370 - African Literature](#)

And select 1 course from the following:

- [IRLS213 - Political Geography](#)
- [IRLS300 - Comparative Political Systems](#)
- [IRLS412 - Comparative Foreign Policy](#)

Total = 18 semester hours

Undergraduate Minor - American Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in American Military history will be able to:

- Discuss the major American wars and conflicts and their causes and results from colonial times to the present.
- Describe the major battles and campaigns of these wars and conflicts and the strategies and tactics employed.
- Express in clear terms the evolving nature of U.S. military policy and the effect of political influences.
- Evaluate the impact of war on society.

Minor Requirements (18 semester hours)

- [MILH202 - Survey of American Military History](#)

And select 5 courses from the following:

- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [MILH320 - The American Revolution](#)
- [MILH355 - World War I](#)
- [MILH360 - World War II](#)
- [MILH370 - Korean War](#)
- [MILH371 - Vietnam War](#)

Total = 18 semester hours

Undergraduate Minor - Area Studies: Asian Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• HIST370 - Asia and the Modern World• IRLS331 - Asian Politics• IRLS332 - Asian Peoples and Cultures• IRLS392 - Globalization and the Market Economy <p>And select 1 course from the following:</p> <ul style="list-style-type: none">• RELS350 - Hinduism• RELS351 - Buddhism

And select 1 course from the following:

- HIST330 - History of the Pacific Rim
- IRLS300 - Comparative Political Systems
- IRLS412 - Comparative Foreign Policy
- IRLS430 - U.S. National Security and the Pacific Basin
- PHIL310 - Studies in Chinese Thought
- PHIL311 - Studies in Japanese Thought

Total = 18 semester hours

Undergraduate Minor - Business Administration

Not open to students pursuing a major in Business Administration.

Minor Objectives:

The student who graduates with a minor in Business Administration will be able to:

- Use various data tools to collect information and develop business problem-solving competencies.
- Analyze business environments and formulate suitable strategies in the context of competitive forces and environmental factors.
- Apply theoretical techniques to analyze government, business, and consumer markets.
- Integrate market analyses and marketing information into a strategic plan.
- Describe how Management Information Systems contribute to business processes to meet current and future technological needs within the organization.
- Apply basic financial management operations to enhance business decision-making processes.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• BUSN310 - Business Theory• BUSN313 - Global and Competitive Strategy• FINC400 - Principles of Financial Management• INFO331 - Management Information Systems• MGMT310 - Principles and Theory of Management• MKTG201 - Fundamentals of Marketing

Total = 18 semester hours

Undergraduate Minor - Child Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives:

The student who graduates with a minor in Child Development will be able to:

- Assess developmental changes and processes influencing child development.
- Identify scientific approaches and the application of research and theory to working with children.
- Examine socio-cultural and historic constructs related to child development.
- Interact with culturally diverse youth in family and societal settings.
- Demonstrate critical thinking and observation skills related to the study of child development.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• EDUC111 - Observation Techniques• CHFD307 - Child and Adolescent Development• CHFD308 - Infant-Toddler Development• CHFD312 - Special Needs Students• CHFD411 - Child Psychopathology [Prerequisite: CHFD307 - Child and Adolescent Development]• PSYC101 - Introduction to Psychology

Total = 18 semester hours

Undergraduate Minor - English

Not open to students pursuing a major in English.

Minor Objectives:

The student who graduates with a minor in English will be able to:

- Demonstrate the ability to effectively express ideas and evidence in writing.
- Discuss representative literary texts and critical theory to enhance a life-long learning process.
- Analyze written materials and understand why multiple interpretations of written materials are possible and relevant in a diverse society.
- Demonstrate knowledge of the evolution of the English language and how it is used in communication, literary and non-literary.

Minor Requirements (18 semester hours)

- ENGL401 - History of the English Language
- LITR320 - American Fiction
- LITR330 - Literary Theory
- LITR402 - Shakespeare: An Author for the Ages

And select 1 course from the following:

- LITR210 - English Literature from Beowulf through the 18th Century
- LITR211 - English Literature from the 18th Century through the Present

And select 1 course from the following:

- LITR316 - British Poetry
- LITR322 - American Poetry

Total = 18 semester hours

Undergraduate Minor - Area Studies: European Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• HIST310 - History of Modern Europe• IRLS240 - European Peoples and Cultures• IRLS344 - European Politics• PHIL302 - Ancient Western Philosophy <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• HIST307 - The Age of Dictators: Europe 1914-1945• IRLS392 - Globalization and the Market Economy• IRLS412 - Comparative Foreign Policy

- [IRLS416 - The North American Treaty Organization \(NATO\)](#)
- [LITR360 - Russian Literature](#)

Total = 18 semester hours

Undergraduate Minor - Family Development

Not open to students pursuing a major in Child and Family Development.

Minor Objectives:

The student who graduates with a minor in Family Development will be able to:

- Examine theories concerning general psychology.
- Explore classic and contemporary theoretical explanations of family dynamics.
- Recognize how social forces influence family definitions, composition, and change.
- Examine trends in family formation and dissolution within the context of social change.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• CHFD225 - Introduction to the American Family• CHFD340 - Family Development• CHFD445 - Family Communication• PSYC101 - Introduction to Psychology• PSYC343 - Adult Development• SOCI421 - Sociology of the Family

Total = 18 semester hours

Undergraduate Minor - History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in History will be able to:

- Identify a broad knowledge of literature pertaining to history.
- Describe and locate the linkage between historical studies and allied disciplines.
- Compare and contrast the historical experiences that go beyond a single time period and national or cultural experience.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze history from diverse perspectives of ancient and contemporary historical cultures, nations, and regions.

Minor Requirements (18 semester hours)

- [HIST300 - Research Methods in History](#) [Required]

Ancient and Classical History

And select 2 courses from the following:

- [HIST301 - Ancient Greece](#)
- [HIST302 - Ancient Rome](#)
- [HIST303 - The Middle Ages](#)
- [HIST304 - The Renaissance](#)
- [HIST305 - France in the Age of Enlightenment](#)
- [HIST306 - The British Empire](#)
- [HIST307 - The Age of Dictators: Europe 1914-1945](#)

American History:

And select 2 courses from the following

- [HIST402 - Colonial America](#)
- [HIST403 - The Early Republic](#)
- [HIST404 - Jacksonian America, 1815-1846](#)
- [HIST405 - Antebellum America, 1846-1861](#)
- [HIST406 - Civil War and Reconstruction, 1861-1877](#)
- [HIST407 - The Gilded Age, 1877-1900](#)
- [HIST408 - The United States: 1900 to Second World War](#)
- [HIST409 - The United States: WW II to the Present](#)

Global Cultures and History

And select 1 course from the following:

- [HIST310 - History of Modern Europe](#)
- [HIST320 - History of Russia](#)
- [HIST330 - History of the Pacific Rim](#)
- [HIST340 - History of Africa](#)
- [HIST350 - History of the Middle East](#)
- [HIST351 - History of Iraq](#)
- [HIST360 - History of Latin America](#)

- HIST370 - Asia and the Modern World

Total = 18 semester hours

Undergraduate Minor - Intelligence Studies

Not open to students pursuing a major in Intelligence Studies.

Minor Objectives:

The student who graduates with a minor in Intelligence Studies will be able to:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement, and technical and open intelligence data sources.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

Minor Requirements (18 semester hours)

Select 4 courses from the following:

- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL301 - U.S. Intelligence Community](#)
- [INTL303 - Introduction to Intelligence](#)
- [INTL304 - Intelligence Collection](#)
- [INTL401 - Critical Analysis](#)

And select 2 courses from the following:

- [HLSS320 - Intelligence and Homeland Security](#)
- [INTL305 - Law and Ethics in Intelligence](#)
- [INTL402 - Intelligence Analysis](#)
- [INTL410 - Counterintelligence](#)
- [INTL412 - Espionage/Counterespionage](#)
- [INTL431 - Criminal Intelligence Analysis](#)

Total = 18 semester hours

Undergraduate Minor - International Relations

Not open to students pursuing a major in International Relations.

Minor Objectives:

The student who graduates with a minor in International Relations will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Critically assess the unique principles, structure, and organization of the major international organizations.
- Assess the economic and political processes in international development; diagnose social issues in international development; appraise the need for sustainable international development.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• IRLS200 - Information Literacy and Global Citizenship• IRLS300 - Comparative Political Systems• IRLS301 - International Organizations• IRLS302 - International Development <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• IRLS310 - Introduction to Human Security• IRLS322 - African Politics• IRLS331 - Asian Politics• IRLS343 - Government and Security of Russia• IRLS344 - European Politics• IRLS355 - Latin American Politics• IRLS360 - Global Politics of Islam• IRLS392 - Globalization and the Market Economy• IRLS400 - Human Rights• IRLS405 - National and Transnational Justice• IRLS409 - Environmental Security• IRLS412 - Comparative Foreign Policy• IRLS413 - International Conflict Resolution• IRLS414 - Principles of Peacekeeping• IRLS415 - Peacekeeping Logistics• IRLS416 - The North Atlantic Treaty Organization (NATO)• IRLS417 - International Civil Order• IRLS430 - U.S. National Security and the Pacific Basin• IRLS460 - Government and Security in the Middle East• IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy• IRLS468 - Politics and Security in the Persian Gulf• WOMS319 - Transnational and Global Issues in Women's Studies

Total = 18 semester hours

Undergraduate Minor - Area Studies: Latin American Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. An Area Studies minor allows the student to concentrate on the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This will also allow the student to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• HIST360 - History of Latin America• IRLS355 - Latin American Politics• IRLS357 - Latin American Peoples and Cultures• IRLS392 - Globalization and the Market Economy• LITR355 - Latin American Literature <p><i>And select 1 course from the following:</i></p> <ul style="list-style-type: none">• IRLS300 - Comparative Political Systems

IRLS412 - Comparative Foreign Policy

- WOMS361 - History of Women in Latin America

Total = 18 semester hours

Undergraduate Minor - Management

Not available for Business Administration, Management, Sports and Health Sciences, or Transportation and Logistics Management majors.

Minor Objectives:

The student who graduates with a minor in Management will be able to:

- Relate and discuss the potential functions and applications of management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Identify and examine the needs of today's managers in assessing and implementing strategies used in the management of information technology in the workplace.
- Recognize and describe issues as they relate to organizational behavior in terms of individual, group/team, and overall organization.
- Examine and explore potential management problems and opportunities and discuss possible strategies and applications to be used in addressing such managerial concerns.
- Recognize and discuss ethical conduct and the social responsibility of business in the lives of internal and external stakeholders.
- Analyze the external and internal environmental forces affecting business organizations that affect the effectiveness of managers in today's competitive and global organizations.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• INFO331 - Management Information Systems• MGMT310 - Principles and Theory of Management• MGMT311 - Organizational Behavior• MGMT314 - Management Ethics• MGMT315 - Management Communications• MGMT410 - Strategic Management

Total = 18 semester hours

Undergraduate Minor - Marketing

Not open to students pursuing a major in Marketing.

Minor Objectives:

The student who graduates with a minor in Marketing will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management.
- Apply basic marketing principles to a particular business.
- Develop a strategic marketing plan.
- Apply various marketing strategies and techniques to align an organization's marketing function with the overall mission and strategy of the organization.
- Develop a marketing plan for a business or a department.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• MKTG201 - Fundamentals of Marketing• MKTG301 - Principles of Sales• MKTG400 - Marketing Research• MKTG401 - Marketing Strategy <p><i>And select 2 courses from the following:</i></p> <ul style="list-style-type: none">• MKTG304 - Public Relations• MKTG305 - Advertising• MKTG307 - Consumer Behavior• MKTG403 - Marketing Management

Total = 18 semester hours

Undergraduate Minor - Area Studies: Middle Eastern Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This Area Studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region and allow students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Students may apply transfer credit towards courses that count towards the minor. Many students will be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning the electives within their degree program.

Minor Objectives:

Upon completion of this minor, students will be able to:

General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region -- individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• IRLS260 - Middle Eastern Culture• IRLS460 - Government and Security in the Middle East• LITR365 - Middle Eastern Literature• RELS353 - Islam <p>And select 2 courses from the following:</p> <ul style="list-style-type: none">• HIST350 - History of the Middle East

- IRLS360 - Global Politics of Islam
- IRLS463 - Arab-Israeli Conflict: Contemporary Politics and Diplomacy
- IRLS464 - Middle Eastern Political Economy
- IRLS468 - Politics and Security in the Persian Gulf
- RELS330 - Religions of the Middle East

Total = 18 semester hours

Undergraduate Minor - Military History

Not open to students pursuing a major in Military History or History.

Minor Objectives:

The student who graduates with a minor in Military History will be able to:

- Discuss the major world wars and conflicts and their causes and results from antiquity to the present.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze the historical experiences that go beyond a single time period and national or cultural experience.
- Express in clear terms the evolving nature of security issues and their effects on global stability.
- Evaluate the impact of war on society.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• MILH201 - Introduction to Military History• MILH202 - Survey of American Military History• MILH221 - War from Antiquity to 1700• MILH222 - War from 1700 to the Present• MILH303 - Readings in Military Leadership• MILH304 - Readings in Military Philosophy

Total = 18 semester hours

Undergraduate Minor - Military Management

Not open to students pursuing a major in Military Management.

Minor Objectives:

The student who graduates with a minor in Military Management will be able to:

- Integrate the unique aspects of military operations within fundamental business concepts and principles of management.
- Apply various aspects of traditional management procedures to a military organization.
- Assess public administration issues that apply to the military as a federal institution.

Minor Requirements (18 semester hours)

- [LSTD304 - Military Law](#)
- [DEFM305 - Acquisition Business Management](#)
- [DEFM312 - Defense Budget Development and Execution](#)
- [DEFM314 - Military Logistics](#)
- [DEFM412 - Deliberate and Crisis Planning](#)
- [MGMT312 - Leadership & Motivation](#)

Total = 18 semester hours

Undergraduate Minor - Philosophy

Not open to students pursuing a major in Philosophy.

Minor Objectives:

The student who graduates with a minor in Philosophy will be able to:

- Reflect upon the love of wisdom, what inclines people to seek it, and to analyze what it is the philosopher does in the pursuit of truth.
- Analyze a variety of traditional and non-traditional ethical theories.
- Gain basic competence in the following forms of reasoning: informal logic, syllogistic logic, propositional logic, predicate logic, and inductive logic.
- Define key trends in the development of western thought.
- Interpret how Western philosophers and their ideas have shaped the development of political, social and economic systems.
- Relate current Western views of the world to their underpinnings in early writings and philosophies.
- Differentiate between the influences of ancient Judaism, Greece, Rome, and Christian thinking on Western thought.
- Analyze the differing philosophies in terms of how they conflict or complement one another.

Minor Requirements (18 semester hours)

- [PHIL101 - Introduction to Philosophy](#)
- [PHIL300 - Logic](#)
- [PHIL301 - Ethical Theory and Concepts](#)

And select 3 courses from the following:

It is recommended, although not required, that the courses be taken in sequence when scheduling allows.

- [PHIL302 - Ancient Western Philosophy](#)
- [PHIL303 - Medieval Philosophy](#)
- [PHIL415 - Enlightenment Philosophy](#)
- [PHIL416 - Modern and Post-Modern Philosophy](#)

Total = 18 semester hours

Undergraduate Minor - Psychology

Not open to students pursuing a major in Psychology.

Minor Objectives:

The student who graduates with a minor in Psychology will be able to:

- Discuss the history and foundation of psychology.
- Identify major theorists of developmental psychology.
- Differentiate between biological psychological conditions and personality disorders.
- Evaluate how to design, execute, analyze, and interpret psychological research.
- Explore the application of evaluation principles to developmental theories in a scientific format.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• CHFD342 - Human Life Span Development• PSYC101 - Introduction to Psychology• PSYC300 - Research Methods in Psychology• PSYC303 - Learning and Cognition• PSYC305 - History and Systems of Psychology• PSYC406 - Psychopathology

Total = 18 semester hours

Undergraduate Minor - Religion

Not open to students pursuing a major in Religion.

Minor Objectives:

The student who graduates with a minor in Religion will be able to:

- Describe and evaluate the scholarly methods used in the study of religion.
- Identify the basic concepts that make up a religious world view (e.g., creation of the world, good and evil, salvation, and suffering).
- Identify and give examples of the universal forms of religious expression (e.g., sacred places, symbols, ethics, and rituals).
- Analyze the historical development and interaction among the major world religions.
- Identify and evaluate the key beliefs and characteristics of each of the current major world religions.
- Determine and appraise the various expressions of religious life (e.g., social and political) that are evident in different societies over time.

Minor Requirements (18 semester hours)

- [PHIL410 - God and World](#)
- [RELS101 - Introduction to the Study of Religion](#)
- [RELS201 - Introduction to World Religions](#)
- [RELS202 - Religion in America](#)
- [RELS412 - Religious Fundamentalism](#)
- [SOCI420 - Sociology of Religion](#) [Prerequisite: [SOCI111 - Introduction to Sociology](#)]

Total = 18 semester hours

Undergraduate Minor - Security Management

Not open to students pursuing a major in Security Management.

Minor Objectives:

The student who graduates with a minor in Security Management will be able to:

- Evaluate security management principles including the concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Detect how a corporate security manager can effectively communicate strategic security issues and actions to other business departments and managers including drawing conclusions about assessing tangible and intangible assets.

Minor Requirements (18 semester hours)

- [SCMT370 - Principles and Theory of Security Issues](#)
- [SCMT371 - Legal and Ethical Issues in Security Management](#)
- [SCMT373 - Evaluation of Security Programs](#)
- [SCMT374 - Contemporary Issues in Security Management](#)
- [SCMT390 - Security Administration](#)
- [SCMT397 - Physical Security](#)

Total = 18 semester hours

Undergraduate Minor - Sociology

Not open to students pursuing a major in Sociology.

Minor Objectives:

The student who graduates with a minor in Sociology will be able to:

- Examine methods for conducting research in social psychology.
- Discuss applied social psychology topics such as law, business, and health.
- Identify and discuss the major social issues that influenced the development of sociological theory.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• SOCI111 - Introduction to Sociology• SOCI212 - Social Problems• SOCI213 - Society, Interaction, and the Individual• SOCI303 - Classical Sociological Theory [Prerequisite: ENGL101 - Proficiency in Writing]• SOCI331 - Research Methods for Sociology• SOCI403 - Social Change [Prerequisite: SOCI111 - Introduction to Sociology]

Total = 18 semester hours

Undergraduate Minor - Space Studies

Not open to students pursuing a major in Space Studies.

Minor Objectives:

The student who graduates with a minor in Space Studies will be able to:

- Analyze the principles of manned and unmanned flight both within and outside of the Earth’s atmosphere.
- Calculate and apply basic laws of planetary motion and gravitation including two-body mechanics.
- Describe rocket fundamentals including propellants, combustion principles, and general components.
- Describe the role(s) of key aerospace organizations in the United States.
- Evaluate the political and commercial significance of major national and international aerospace endeavors, including past, current, and planned.

Minor Requirements (18 semester hours)
<ul style="list-style-type: none">• SPST300 - Introduction to Space Studies [Prerequisite: MATH111 - College Trigonometry]• SPST301 - Introduction to Space Flight• SPST302 - Comets, Asteroids, and Meteorites• SPST303 - History of Space• SPST304 - National Space Organization• SPST305 - Introduction to Orbital Mechanics

Total = 18 semester hours

Undergraduate Certificate - IT Infrastructure Security

This certificate focuses on assessing, mitigating, and managing security risks in IT infrastructures. Any undergraduate student, regardless of major, may enroll in the Certificate in Infrastructure Security. This certificate prepares the adult learner to seek entry-level career positions such as: Network Security Analyst, Network Security Manager, Network Security Assessor, and Network Security Designer. Program graduates will know how to design secure networks, develop risk mitigation plans, perform intrusion detection, and design secure networks.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Appraise the impact of operating system and network security on Information Technology Management and global ecommerce.
- Establish the need for a reference model and examine the Open Systems Interconnection (OSI) and Transmission Control Protocol/ Internet Packet (TCP/IP) reference models.
- Discuss the technical risks, performance factors and security issues related to operating system and network security on ecommerce, information technology management, and global commerce.
- Examine the principles that enable viruses, worms, and Trojan horses to propagate and proliferate throughout the system.
- Differentiate between active and passive intrusion detection and examine the scope and procedures for implementing border and firewall security.
- Appraise the process for assessing network and application security and analyze the corresponding risk mitigation strategies and techniques.
- Assess the configuration, functionality, and risks of filtering and evaluate security systems such as firewalls, border routers, switches, and intrusion detection systems sensors.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">● ISSC340 - Local Area Network Technologies● ISSC342 - Operating Systems: Hardening and Securing [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC362 - IT Security: Attack and Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC363 - IT Security: Risk Management [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC421 - Computer and Network Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]● ISSC461 - IT Security: Countermeasures [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Total = 18 semester hours

Undergraduate Certificate - IT Project Management Essentials

The world of Information Technology is replete with projects that were abandoned because of runaway scope and cost. On the other hand, the trend in the world economy is shrinking budgets and shorter deadlines; all this while projects are getting more complex. This certificate focuses on meeting industry needs for IT Managers that can manage cost, time, scope, quality, risk, and people to ensure that projects come in on time and under budget. It also addresses strategic planning and business systems analysis. This certificate meets the following learning outcomes.

An undergraduate student, regardless of field of study, may enroll in the Certificate of IT Project Management. This certificate prepares an IT professional to seek higher level career positions such as: IT project manager, IT manager, e-Business project manager, Web content manager, SEO analyst, IT cost analyst, and IT planner.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Appraise the principles and practices for organizing, allocating, and managing project resources.
- Analyze the project management framework including the stakeholders, domains, phases, processes, integration, and life cycle.
- Examine the potential complexities and pitfalls in initiating and closing projects and assess methods to mitigate this risk.
- Appraise the unique challenges in managing the scope, time, and cost of IT projects.
- Assess the principles, strategies, challenges, and measures for managing quality and risk of IT projects.
- Analyze the phases, procedures, deliverables, and best practices for business systems analysis.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• INFO331 - Management Information Systems• ITMG321 - Information Technology Project Management• ITMG322 - Management using MS Project• ITMG371 - Contemporary Internet Topics• ITMG381 - Cyberlaw and Privacy in a Digital Age• ITMG421 - Virtual Management

Total = 18 semester hours

Undergraduate Certificate - Law Enforcement Leadership

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Examine management techniques, principles, philosophies which are part of organization change and transformation.
- Develop a self-assessment of one's own leadership and motivation skills, knowledge, and attitudes.
- Integrate the principles used in formulating and executing a strategic plan.
- Evaluate the historical and current state of employment relations theory.
- Analyze the four phases of the budget cycle.
- Critique the concepts, skills, theories and techniques involving human resource management and HR practices in the workplace.

Certificate Requirements (18 semester hours)

- [CMRJ345 - Organizational Behavior in Law Enforcement](#)
- [CMRJ346 - Conflict Resolution Within Police Departments](#)
- [MGMT312 - Leadership and Motivation](#)
- [MGMT313 - Organizational Change](#)

And select 2 courses from the following:

- [FINC405 - Budget Development and Execution](#)
- [HRMT407- Human Resource Management](#)
- [HRMT413 - Employment and Labor Relations](#)
- [MGMT414 - Strategic Planning](#)

Total = 18 semester hours

Undergraduate Certificate - Meeting and Event Planning

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.
- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• HOSP100 - Introduction to Hospitality Management• HOSP308 - Meeting and Convention Planning• HOSP309 - Convention Sales and Services• HOSP320 - Business and Conference Hospitality Management• HOSP410 - Advanced Tourism and Hospitality Management• HOSP415 - Destinations and Cultures

Total = 18 semester hours

Undergraduate Certificate - Microsoft Access Database Applications

The Certificate in Microsoft Access Database Programming provides students with the theories and skills necessary to develop databases. This certificate prepares adult learners to seek entry-level career positions such as: Database Developer, Database Analyst, Database Designer, Database Specialist, and Microsoft Access Developer. Students will develop entity relationship diagrams, perform data modeling, design databases, normalize table structures, develop effective graphical user interfaces (GUI), and interact with the database using ANSI standard SQL.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Differentiate between the hierarchical, network, relational, and object-relational database models; and demonstrate the need for procedural language facilities in the world of American National Standards Institute (ANSI) standard SQL.
- Examine the process for developing entity diagrams, designing databases, developing database applications, managing databases, implementing data integrity, assuring information, and implementing transaction processing.
- Assess the impact and issues related to relational databases, entity diagrams, and PL/SQL on Information Technology Management, enterprise applications, and global e-commerce.
- Analyze the need, objective, and principles of normalization to engineer and design databases.
- Evaluate the concepts and principles of integrity (including referential integrity and transactional integrity) in the context of relational database design.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• INFO111 - Enterprise Data Presentation with Crystal Reports [Prerequisite: INFO161 - Relational Databases with Microsoft Access: Introduction, or INFO171 - Relational Databases with Oracle: SQL Introduction, or INFO221 - Relational Database Concepts]• INFO161 - Relational Databases with Microsoft Access: Introduction• INFO221 - Relational Database Concepts• INFO261 - Relational Databases with Microsoft Access: Advanced [Prerequisite: INFO161 - Relational Databases with MS Access: Introduction]• INFO262 - Relational Databases with Microsoft Access: Project [Prerequisite: INFO221 - Relational Database Concepts and INFO261 - Relational Databases with MS Access: Advanced]• INFO331 - Management Information Systems

Total = 18 semester hours

Undergraduate Certificate - Microsoft Office Applications

This certificate is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the word processing, spreadsheet, presentation, and communications applications in the Microsoft Office Suite. These courses use the Microsoft Official Academic Course curriculum that is aligned with Microsoft's Exam 77-881: Using Microsoft Office Word 2010, Exam 77- 882: Using Microsoft Office Excel 2010, Exam 77- 883: Using Microsoft Office PowerPoint 2010, and Exam 77-884: Using Microsoft Office Outlook 2010. The books meet the topical requirements for the *Microsoft Office Specialist (MOS)*: Microsoft Office Word 2010 certification, Microsoft Office Excel 2010 certification, Microsoft Office PowerPoint 2010 certification, and Microsoft Office Outlook 2010 certification. This certificate also examines Internet concepts and emerging technologies such as Web 2.0. An undergraduate student, regardless of field of study, may enroll in this certificate.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Appraise the impact of the Microsoft Application Suite on IT Management as it applies to office productivity, collaboration, and security.
- Examine and use productivity software such as Microsoft Word to create lists, themes, mail merges, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies.
- Evaluate and use productivity software such as Microsoft Excel to create and format spreadsheets, manipulate data, and use formulas, charts, conditional logic, graphics, and security features.
- Examine the functionality of productivity software such as Microsoft PowerPoint to set up presentations, transitions, animations, and timing.
- Assess the functionalities of Microsoft Access Relational Database Management System (RDBMS to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation.
- Appraise the use of productivity software such as Microsoft Outlook to follow up, categorize, set up rules, and program alerts.

Certificate Requirements (18 semester hours)

- [INFO161 - Relational Databases with MS Access: Introduction](#)
- [ITCC111 - Basic Productivity Applications](#)
- [ITCC112 - Advanced Productivity Applications](#)
- [ITCC113 - Office Presentation Applications](#)
- [ITCC114 - Office Communications Applications](#)
- [ITCC200 - Application Software Integration](#)

Total = 18 semester hours

Undergraduate Certificate - Military Leadership Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify what it means to be a soldier and leader in today's military.
- Describe how small unit leadership is distinct from leadership in other organizations.
- Define the major principles of enlisted military leadership.
- Discuss the enlisted structure and organization of the U.S. military.
- Explain the nature of military ethics in the U.S. military.

Certificate Requirements (18 semester hours)

- [MILH303 - Readings in Military Leadership](#)
- [MILS110 - Introduction to Military Leadership](#)
- [MILS120 - Small Unit Leadership](#)
- [MILS121 - The Military Soldier](#)
- [MILS122 - Enlisted Leadership](#)
- [MILS250 - Military Ethics](#)

Total = 18 semester hours

Undergraduate Certificate - Mobile Computing

This certificate will broaden the cope of understanding mobile computing for information technology students interested in embarking upon this new technology and pursuing an associate or bachelor's degree. Mobile computing is now one of the leading trends in technology that is influencing the use of mobile devices and the investment in corporate spending. Research firm Gartner notes mobile applications and technologies are expected to increase and affect corporate strategies. Additionally, as mobile computing becomes more appealing for users, the design and development of application software to support mobile and smart devices such as Blackberry, iPhones, iPads, and Droid become more attractive and financially rewarding. This certificate will help students stay current and remain employable in today's information age.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Explain the evolution of mobile computing.
- Summarize the social and economic influences of mobile computing.
- Explore guidelines and techniques associated with mobile application design, development, and deployment.
- Analyze, design, develop, write, test and deploy mobile applications into the target platform environment.
- Assess the benefits of designing and developing mobile application software to promote mobile computing for Droid, Blackberry, iPhone and iPad.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD211 - Introduction to Software Design• ENTD313 - Mobile Application Design and Development• ENTD322 - Application Development for the Droid [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD333 - Application Development for the iPhone and iPad [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design or ENGR200 - Introduction to Engineering and Computing (for engineering majors)]• ENTD413 - Advanced Mobile Application Design and Development• ENTD465 - Application Development for Windows Mobile Operating System [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Total = 18 semester hours

Undergraduate Certificate - Paralegal Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Apply legal research methods and techniques that are used in the practice of law.
- Develop skills in legal reasoning, identifying and effectively using legal resources, and writing legal documents.
- Evaluate the importance of secondary sources in legal research.
- Describe the primary rules and sources and roles of each in legal research.
- Distinguish how advice, persuasion, and advocacy enter into legal research.
- Demonstrate knowledge of the nature and function of the law and the application of critical thinking and analytical skills.
- Comprehend and describe what a paralegal is and how one fits into the legal system.

Certificate Requirements (24 semester hours)

- [LSTD100 - Introduction to Law for Paralegals](#)
- [LSTD201 - Litigation](#)
- [LSTD202 - Real Estate Law](#)
- [LSTD203 - Criminal Law and Procedure for the Paralegal](#)
- [LSTD205 - Legal Research and Writing](#)
- [LSTD207 - Civil Practice and Procedure](#)
- [LSTD210 - Legal Ethics](#)
- [LSTD300 - Administrative Law and Policy](#)

Total = 24 semester hours

Undergraduate Certificate - Public Lands Management

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- List the federal, state, and local agencies that manage public lands in the U.S.
- Explain the regulatory, policy, and political influences on public lands management.
- Develop management strategies for the management of public lands that balance competing needs and uses.
- Describe the techniques and strategies used to manage fish and wildlife resources on public lands.
- Evaluate land use, development, and management plans within and adjacent to public lands.
- Assess the current status of public lands and its contribution to the social and environmental sustainability of the U.S.

Certificate Requirements (18 semester hours)

- [EVSP316 - U.S. Federal Environmental Organizations](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP330 - Fish and Wildlife Policies, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP411 - Environmental Regulation, Policy and Law](#)

Total = 18 semester hours

Undergraduate Certificate - Real Estate Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Develop a foundational knowledge of management, development, and financing of real estate.
- Discuss the foundations of real property value and review the elements of the appraisal process – from the value definition to reconciliation and conclusion.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• BUSN120 - Real Estate Principles• BUSN121 - Real Estate Practice• BUSN220 - Real Estate Finance• BUSN221 - Real Estate Appraisal• BUSN222 - Real Estate Property Management• LSTD202 - Real Estate Law

Total = 18 semester hours

Undergraduate Certificate - Regional and Community Planning

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Identify critical issues in landscape level planning and development that affect regional and local environmental planners and assess their implications on the environment and quality of life for the citizenry.
- Assess the resource needs (energy, water resources, sustainability, greenspace, etc.) of a population and develop strategies for meeting them.
- Describe innovative approaches, alternative actions, and strategic planning efforts needed to resolve complex, landscape-level land use planning problems and meet the needs of multiple and varied stakeholders.
- Assess leading trends and challenges in the fields of Local and Regional Planning, Landscape-level Planning, and Environmental Assessment and Impact.
- Describe current and emerging technologies in sustainable land use planning and energy development and discuss appropriate applications.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• EDMG259 - Hazard Mitigation and Preparedness• EVSP312 - Introduction to Sustainability• EVSP320 - Energy and Resource Sustainability• EVSP321 - Land Use and Planning• EVSP322 - Remote Sensing and Geographic Information Systems• EVSP415 - Environmental Impact Assessment

Total = 18 semester hours

Undergraduate Certificate - Restaurant Operations

Restaurant Operations is a flexible program that explores the essentials of front-office and behind-the-scenes operations related to foodservice management. Using relevant theory and concepts, students examine current managerial techniques and tools to effectively operate a wide variety of restaurants. Students also explore fundamentals of cost controls in foodservice and beverage operations, quantity food preparation and sanitation, purchasing, legal issues, and how to interpret industry financial indicators. This certificate would be a good addition to a business or management degree.

Certificate Objectives

Upon completion of this certificate, the student will be able to:

- Apply proper food safety and sanitation procedures to meet industry standards and governmental regulations.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Practice current managerial techniques and trends to support the goals of a restaurant.
- Interpret financial data as it relates to an operation's goals.

Certificate Requirements (18 semester hours)

- [HOSP100 - Introduction to Hospitality Management](#) (required as the first course in this program)

Select 5 courses from the following:

- [HOSP101 - Foodservice Sanitation](#)
- [HOSP200 - Food and Beverage Management](#)
- [HOSP201 - Restaurant Operations Management](#)
- [HOSP202 - Quantity Food Preparation](#)
- [HOSP203 - Hotel & Restaurant Purchasing](#)
- [HOSP204 - Introduction to Hotel and Restaurant Law](#)
- [HOSP307 - Principles of Cost Control in Foodservice Operations](#) [Prerequisite: HOSP200 - Food and Beverage Management]
- [HOSP400 - Quality Service Management](#)

Total = 18 semester hours

Undergraduate Certificate - Retail Management

The Undergraduate Certificate in Retail Management serves to generate interest in the retail management professional field while enhancing those already within the discipline, preparing graduates to pursue career opportunities in retail management field. This certificate will provide the basic skills needed to update and/or broaden the knowledge of employees in the dynamic and fast growing retail industry. This certificate will provide critical knowledge necessary in today's competitive retail market and will assist in transitioning into the management field of retailing. By developing management skills directly related to the retail industry, this certificate is designed for students who wish to develop the skills necessary to become future successful retail managers and continue their educational pathway to a Retail Management Degree.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Define the basics of retail management functions/principles and explore ideal characteristics of a good manager.
- Define the basics of customer relations functions/principles and explore ideal characteristics of good customer relations as applied to individuals in both small/large organizations.
- Describe the importance of retail inventory management knowledge when viewing fundamental organizational requirements, recognize retail inventory skills required of managers, understand competitive dimensions, and describe how productivity is measured.
- Identify the goals of financial management and retail financial strategy.
- Decipher risk management planning and its use, how risk management tenets can be applied to the Manager role, and how to implement a policy and evaluate compliance.
- Identify various challenges that face retail leaders in both the private and public sector, understand commercial safety issue, and identify how to create/maintain a safe work environment.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• RTMG150 - Retail Organization Fundamentals (students taking this course cannot also take MGMT201 - Organizational Fundamentals)• RTMG200 - Customer Relations• RTMG201 - Retail Inventory Management• RTMG202 - Risk Management• RTMG203 - Commercial Safety• RTMG204 - Finance Fundamentals

Total = 18 semester hours

Undergraduate Certificate - Security Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Demonstrate knowledge of the basic terms in security management and its theories.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Explain the basic procedures and rules of personnel security and the specialized terms associated with information security.
- Draw conclusions about the role a security leadership has in establishing the foundation of private security programs.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Evaluate and use a methodology of quality assurance including the merits of a performance-based standards approach towards total asset protection.
- Draw conclusions about a value added contribution in the world of tangible and intangible assets.
- Detect how corporate security managers can effectively communicate strategic security issues and actions to other business departments and managers.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• SCMT370 - Principles and Theory of Security Issues• SCMT371 - Legal and Ethical Issues in Security Management• SCMT373 - Evaluation of Security Programs• SCMT374 - Contemporary Issues in Security Management• SCMT390 - Security Administration• SCMT397 - Physical Security

Total = 18 semester hours

Undergraduate Certificate - Space Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Discuss, describe, and distinguish between the characteristics of each planet in our solar system.
- Describe rocket fundamentals including propellants, combustion principles and general components.
- Analyze the principles of manned and unmanned flight, both within and outside of Earth’s atmosphere.

Certificate Requirements (19 semester hours)
<ul style="list-style-type: none">• SCIN134 - Introduction to Astronomy with Lab• SPST300 - Introduction to Space Studies• SPST301 - Introduction to Space Flight• SPST302 - Comets, Asteroids, and Meteorites• SPST303 - History of Space• SPST305 - Introduction to Orbital Mechanics

Total = 19 semester hours

Undergraduate Certificate - Strategic Leadership

This certificate is designed to provide students the opportunity to develop the skill set needed to influence and persuade the workforce to become productive and efficient as it relates to the growth of the organization. The topics of study include leadership, motivation, performance management, information systems, organizational change, and staffing.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Construct a strategic plan of staffing requirements for a new initiative that an organization has undertaken.
- Prepare a performance management appraisal for a direct report.
- Produce an icebreaker that can be introduced at a departmental meeting in an effort to promote unity among the team and establish a healthy culture in the work environment.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• HRMT415 - Human Resource Information Management Systems• HRMT419 - Recruitment and Staffing• HRMT430 - Performance Management• MGMT312 - Leadership and Motivation• MGMT313 - Organizational Change• MGMT410 - Strategic Management

Total = 18 semester hours

Undergraduate Certificate - Sustainability

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Explain the foundational principles of resource and energy sustainability.
- List current and emerging renewable energy technologies.
- Explain society's dependence on fossil fuel and traditional energy sources.
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services.
- Apply the principles of sustainability to land use and development planning.
- Assess the impact of green infrastructure and sustainable design on global resource sustainability.

Certificate Requirements (18 semester hours)

- [EVSP312 - Introduction to Sustainability](#)
- [EVSP320 - Energy and Resource Sustainability](#)
- [EVSP321 - Land Use and Planning](#)
- [EVSP322 - Remote Sensing and Geographic Information Systems](#)
- [EVSP418 - Green Infrastructure and Renewable Technologies](#)
- [EVSP421 - Water Resources Management](#)

Total = 18 semester hours

Undergraduate Certificate - Terrorism Studies

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Investigate the causes and support mechanisms of international and domestic terrorism.
- Examine the history of terrorism and its fundamental variations: domestic; trans-national; state-conducted; state-aided, and independent.
- Employ indication and warning and predictive intelligence methods to forecast pending terrorist attacks.

Certificate Requirements (18 semester hours)

Select 6 courses from the following:

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [INTL440 - Cyber Warfare](#)
- [INTL450 - Terrorism and Counterterrorism](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [INTL453 - Illicit Finance](#)
- [INTL454 - Forecasting Terrorism](#)

Total = 18 semester hours

Undergraduate Certificate - United Nations

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Comprehend the theory and politics of conflict, war, mediation, and diplomatic negotiations.
- Evaluate the potential for conflict in a country or region.
- Assess the rationale for negotiation and the lifecycle of a conflict situation.
- Explain the various approaches toward United Nations peace operations
- Evaluate the development of multiparty mediation and assess the benefits and drawbacks of such an approach.
- Analyze the complexity and limitations of negotiating across cultures and diverse groups.
- Describe the distinct nature of conflict in the post-Cold War era.

Certificate Requirements (24 semester hours)

Select 8 courses from the following:

- [IRLS210 - International Relations I](#)
- [INTL451 - Terrorism and U.S. National Security](#)
- [IRLS413 - International Conflict Resolution](#)
- [IRLS414 - Principles of Peacekeeping](#)
- [IRLS415 - Peacekeeping Logistics](#)
- [IRLS417 - International Civil Order](#)
- [LSTD306 - International Law](#)
- [MILH421 - History of Peacekeeping: 1945-1987](#)
- [MILH422 - History of Peacekeeping: 1988-Present](#)

Total = 24 semester hours

Undergraduate Certificate - Visual Basic Application Development

The Visual Basic Application Development Certificate focuses on the principles and practices necessary to design, develop, and deploy Web applications using the Visual Basic interactive development environment (IDE). Graduates will be able to build real-world Visual Basic applications based on the knowledge and skills gained in the program. This program prepares the adult learner to seek entry-level career positions such as web database developer, visual basic developer, and .NET developer. Graduates will be able to apply and use Object Oriented Programming (OOP) and Visual Basic to develop Web applications. Prior experience with object-oriented software development is strongly recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Discuss the impact of the .NET framework on IT Management, Security, and Global Economies as it applies to enterprise ecommerce solutions on the Web.
- Explore and analyze the hierarchy of the Framework Class Libraries (FCL); use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, the life cycle, management issues, and process for developing Visual Basic and ASP Web applications.
- Differentiate between traditional programming and event-driven programming and also between traditional programming and object oriented programming (OOP); examine the application of OOP in the Visual Basic IDE.
- Appraise the features, functionality, power, and advantages of Visual Basic.NET that have made it a viable tool for Web site design, development, deployment, and management.
- Analyze the ASP.NET facilities to establish and maintain state between connections within the context of the stateless and connectionless HTTP protocol.
- Assess the provisions in VB.NET for performing component-based programming, exception handling, and interface-based programming; also assess their impact on IT Management.
- Discuss the architecture, advantages, and functionality of both ADO.NET and the Active-X component architecture; also explain the concept of connection pooling.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD361 - Enterprise Development Using VB.NET: Introduction [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD461 - Enterprise Development Using VB.NET: Advanced [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD462 - Enterprise Development Using ASP.NET [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• WEBD241 - Web Development using JavaScript• WEBD242 - Web Development using XHTML

Total = 18 semester hours

Undergraduate Certificate - Visual Communications

Graphics are valuable tools for communication in Internet applications. This Visual Communications Certificate introduces the student to the principles and practices of image manipulation, image enhancement, and image storage. The student will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, the impact of image size and resolution on screen size and resolution, brightness, contrast, image noise, noise reduction, digital signal processing (blurring, de-blurring, Gaussian filters, sharpening, softening, spot healing, dodging, burning), transparency, opacity, hue, saturation, image layering, color blending (multiplying, dodging), image transformation (rotation, resizing, shearing), selections (pixel, vector), alpha channels, and image modes (grayscale, RGB, CMYK, HSB, indexed color). This certificate also examines the process of designing, developing, and deploying text and graphics in motion to create a dynamic and interactive experience for the Web user. Students will develop storyboards, perform interaction design, animate type, and set illustrations in motion. Students will examine and apply the theories and concepts behind developing illustrations, character animations, layers, frames, masks, symbols, libraries, motion tweens, shape tweens, nested objects, and animated shows. They will add audio and video to enhance the quality of the visual experience. Prior experience with using graphics software and with scripting languages such as JavaScript is recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Discuss the purpose and usage of smart objects, layers and vectors in editing, also differentiate between a raster image and a vector image; also detail the layer concepts of hiding, linking, and setting layer styles.
- Detail the capabilities of Adobe Photoshop as a tool for editing and restoring digital images; also describe the process for enhance digital images by manipulating sharpness, color, contrast, hue, brightness and resolution.
- Appraise the principles and concepts of effective design for organizing information, performing site design, and determining the navigation structure.
- Assess the principles for designing Web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Compare and contrast the various image file formats on the Web, including GIF, JPG, PNG, and SVG.
- Assess the utility of Adobe Flash technology in streaming animations on Web sites; also assess the use of tweens, anchors, guides, and onions skins to develop Web animations.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• DSIN121 - Web Page and Web Site Design• DSIN141 - Image Enhancement using Adobe Photoshop• DSIN241 - Illustration and Design Studio using Adobe Illustrator• DSIN242 - Motion Graphics using Adobe Flash• WEBD121 - Web Development Fundamentals• WEBD220 - Web 2.0 Fundamentals

Total = 18 semester hours

Undergraduate Certificate - Weapons of Mass Destruction Preparedness

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Describe the threat posed to society by chemical, biologic, radiological and nuclear (CBRN) weapons.
- Name the state and non-state actors most likely to obtain weapons of mass destruction.
- Identify the motivation, ease and constraints on both state and non-state actors in acquiring CBRN weapons.
- Describe countermeasures available to US agencies fighting terrorism.
- Determine the role of the federal government in disaster response.

Certificate Requirements (18 semester hours)

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS215 - Regulatory Issues in Weapons of Mass Destruction](#)
- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS312 - Port Security](#)

Total = 18 semester hours

Undergraduate Certificate - Web 2.0

This certificate provides an introduction to Web 2.0 trends and technologies. Students will profile the various features, tools, communities, and practices available in Web 2.0. Also included is a survey of the concepts, tools and practices used to build blogs and wikis. The certificate also reviews the various methods of posting information from the blog into web pages using RSS and Atom techniques. Students will also appraise other Web 2.0 technologies such as forums, collaborative Web sites, discussion boards and wikis. Students will apply the knowledge gained in this certificate to design and create blogs and forums. Topics include Web 2.0 management, marketing, branding, psychological factors, sociological aspects, customer social networking, community building, relationship management, and organizational impact. Prior experience with scripting languages such as JavaScript is recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web; also differentiate between the technologies, practices, and management issues in Web 1.0 and Web 2.0.
- Appraise the trends and the potential of Web 2.0.
- Profile the tools for building blogs, wikis, forums, discussion boards, and other Web 2.0 technologies.
- Design blogs using Web 2.0 tools for blogging, photo sharing, and social networking.
- Evaluate the principles and practices to manage the users of Web 2.0 tools and technologies.
- Analyze social networking and examine its impact on business processes and relationships.
- Assess the psychological and sociological aspects of Web 2.0.
- Appraise marketing and branding concepts in relation to Web 2.0.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• DSIN121 - Web Page & Web Site Design• WEBD121 - Web Development Fundamentals• WEBD220 - Web 2.0 Fundamentals• WEBD241 - Web Development using JavaScript• WEBD242 - Web Development using XHTML• WEBD324 - Web Content Management Systems

Total = 18 semester hours

Undergraduate Certificate - Web Publishing

This certificate provides an understanding of the process for building and deploying websites on the World Wide Web. This program prepares adult learners to seek entry-level career positions such as Web Publisher, JavaScript Developer, FrontPage Developer, Flash Animator, Flash Developer, Web Page Developer, Web Site Developer, and Web Master. Graduates will be able to apply and use the Document Object Models (DOM) in JavaScript, XML, and DHTML. Any undergraduate student, regardless of major, may take the following courses to complete a Certificate in Web Publishing.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Describe the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Appraise the process for setting up a web site and establish criteria to evaluate and select a Web Presence Provider (Internet Service Provider (ISP) to host the web site and provide the services required.
- Evaluate the impact of JavaScript, XHTML, DHTML, and FrontPage on Information Technology Management and on the evolution of the Web.
- Examine the use of Cascading Style Sheets (CSS) to develop a portable format for standardizing the look and feel across multiple web pages and browsers.
- Analyze the process for designing, developing, and deploying websites using JavaScript, XHTML, DHTML, and FrontPage (an integrated Development environment); apply this knowledge to design, develop, and deploy a multi-page web site.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• DSIN121 - Web Page & Web Site Design• WEBD121 - Web Development Fundamentals• WEBD241 - Web Development using JavaScript• WEBD242 - Web Development using XHTML• WEBD262 - Web Development using DreamWeaver• WEBD311 - Internet Concepts

Total = 18 semester hours

Undergraduate Certificate - Cloud Computing

Cloud computing is now one of the leading trends in technology that is influencing the use of computing platforms. The student will be able to comprehend cloud computing with respect to next-generation Service-Oriented strategies to provide measurable on-demand self-services with broad network access, resource pooling, and rapid elasticity, all while optimizing performance and reliability. Cloud-based such services include public IaaS (Infrastructure-as-a-Service), PaaS (Platform-as-a-Service), and SaaS (Software-as-a-Service). These three segments define the manner in which the cloud operates.

In April 2009 the US Government launched a summit on Cloud Computing. This embarked an initiative to utilize already available resources to interconnect and provide services on demand without the need for allocating funds for new infrastructure, platform, software, and equipment to provide functionality otherwise hard to attain for the require time specified. Implementation of this initiative supports Green IT Computing, as less hardware and software are utilized – the manufacturing, storage, implementation, and disposal of which contributes lower carbon footprint, hence supporting environmental efforts for a greener planet.

A recent global study shows that the cloud is rapidly maturing, gaining widespread adoption with customers willing to store significant amounts of data in the cloud. It was found that 70 percent of organizations worldwide are either using or evaluating cloud computing today and 63 percent of organizations using cloud estimate store more than \$250,000 worth of data in the cloud.

Related issues such as security, governance and compliance continue to be top of mind among enterprise customers. Moreover, cloud computing gives solutions to the difficulty of migrating certain legacy applications. Many existing software solutions are simply not designed for cloud computing and must be re-architected from the ground up. Finally, the cost of exit is a barrier for many businesses. They are reluctant to engage with a specific cloud provider until they have a solid understanding of how they can change to another provider if needed, and all associated costs involved. There is still a great deal of confusion here.

Virtualization platforms like all software have vulnerability flaws. Major providers for virtualization platforms such as Microsoft, VMWare, and Xen by Citrix, provide secure data centers on platforms that could still be vulnerable to threats. However, because of the nature of virtualization infrastructure the strategy for planning to secure these vulnerabilities are fairly well rated. Areas where security needs can be explored are in the following sections: hypervisor security, host and platform security, securing communications, security between guests and virtual users, and security between host and guests.

Cloud security standards that basically create a security interface standard for cloud security APIs are fortunately all in very few domains to tackle. While communications is the primary module for interoperability with other domains, it nevertheless does not solve certain vulnerabilities through which threats can become multi-dimensional attacks.

Moreover, the increase of shared resources gives rise to privacy issues both of the providers and of the consumers. Data and files stored on the cloud, services provided by the cloud, what insures privacy regulations are maintained? Privacy concerns, disclosure whether accidental or deliberate, data mining efforts – again whether beneficial or malignant, encryption/decryption rules applied on data and files, all result in a requirement for effective regulatory bodies such as the Data Protection Act (DPA) to be placed on the cloud. The Electronic Privacy Information Center (EPIC) released that the National Institute for Standards and Technology (NIST) has announced Guidelines on Security and Privacy in Public Cloud Computing and the NIST Definition of Cloud Computing. The Department of Homeland Security has also released in its Privacy Office 2010 Annual Report on the need for Cybersecurity on Cloud Computing. Finally, the Federal Trade Commission (FTC) is also acknowledging and raising awareness for privacy and security concerns on cloud computing.

These issues lead to positions in Cloud Security and Privacy, which entails Data Security Personnel and Auditing. As for the development and continued growth of Cloud Computing, the following careers are now available: Cloud Computing Architect – responsible for recommending and designing key security and privacy components, Cloud Computing Software Engineer – responsible for creation of a next generation cloud computing architecture, ITIL Delivery Manager – responsible for executing the strategic business plan while leading the delivery team to support Cloud customers, Cloud Linux Engineer – responsible for

implementing rapid cloud scaling technologies, and Cloud/Hosting Architect – hands-on experience with VMWare, storage, servers, routing/switching, and security.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Cloud Computing. This Certificate program will also help prepare the next generation of green IT professionals to enable their organizations lead the way in helping deliver an organization's green credentials. The prepared the student may seek entry to mid-level career positions such as, any job involved in procurement, provision, support, and delivery of Information Technology, including, but not limited to: Data Center Managers, Network Administrators, Network Engineers, Solutions Architects, Hardware Engineers; anyone with an interest in how IT can assist an individual or organization reduce their carbon emissions and output, individuals who have the responsibility of delivering an organization's green initiatives, IT or otherwise.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Demonstrate a thorough comprehension of the key principles of cloud computing and the security and privacy involved with this emerging technology.
- Examine Service-Oriented Architecture (SOA) and convert logical designs into services that can be implemented in today's Cloud environments.
- Assess, evaluate, and apply the necessary tools to analyze an organization's assets and verify if the cloud security and privacy implications are justifiable in implementing Cloud Computing
- Employ the appropriate resources to model service specifications and service contracts to perform service orchestration.
- Demonstrate effective decision making and management techniques to support the organization's objective of growth while putting best practices into place.
- Apply best practices for the next generation IT professional through continuous awareness for the environmental impact when developing and implementing IT systems and reap the business benefits of adopting a Green IT strategy.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC326 - Cloud Computing• ISSC345 - Service-Oriented Architecture• ISSC386 - Green Computing: Foundations and Strategies• ISSC387 - Green Computing: Advanced Topics• ISSC424 - Virtualization Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC426 - Cloud Security & Privacy [Prerequisite: ISSC326 - Cloud Computing]

Total = 18 semester hours

Undergraduate Certificate - Computer Systems and Networks

This certificate prepares the student to become a competent computer network professional in managing, maintaining, troubleshooting, installing, and configuring basic network infrastructures. Courses in this certificate program are aligned with the requirements of A+ and Network+ Certification. An undergraduate student, regardless of field of study, may enroll in the Certificate of Computer Systems and Networks.

This certificate prepares an Information Technology (IT) professional to seek entry-level career positions in administration, development, and integration such as: Help Desk Support Analyst, Network Administrator, Network Engineer, PC Specialist, and Systems Analyst. Program graduates will possess the right skills to design and administer networks; build, repair, and troubleshoot PCs, networks, and peripherals; and head help desk and client support.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Evaluate CPU architectures.
- Evaluate the organization of the motherboard and the processes for monitoring and managing Windows client operating systems.
- Appraise memory subsystems and bus architectures in computer systems.
- Analyze the formatting, protocols, and latency of storage subsystems.
- Examine the component architecture of notebook computers.
- Appraise the directory, file, registry, and event management systems and the methods to mitigate risk by minimizing the exposure of information and by improving access control.
- Investigate the processes for analyzing problems, synthesizing solutions, tracking progress, and managing customer relationships related to computer hardware systems.
- Investigate the process to configure Local Area Networks (LAN) and to optimize the utilization of memory, storage, and CPU resources.
- Assess the methodology to harden and secure operating systems and computer information.
- Analyze the layers of the Open Systems Interconnect (OSI) reference model, wireless and mobile networks, and multimedia networking, security in computer networks, and network management.
- Appraise the impact of computer systems and networks on global commerce and analyze the related societal, legal, and economic issues.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC321 - Computer Systems Organization: Intermediate• ISSC322 - Computer Systems Organization: Advanced [Prerequisite: ISSC321 - Computer Systems Organization: Intermediate]• ISSC323 - Computer Hardware Systems• ISSC340 - Local Area Network Technologies• ISSC341 - Introduction to Networking• ISSC441 - Network Telecommunication Concepts

Total = 18 semester hours

Undergraduate Certificate - Corrections Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Analyze the history of the American Penal System and examine the philosophies and laws of punishment and sentencing.
- Analyze key Supreme Court case decisions specifically pertaining to the constitutional rights of those incarcerated in an American correctional facility.
- Use various research methodologies to obtain comprehension of research applications and explain the relationship between two or more variables relating to a varied range of theoretical explanations for crime and criminality.
- Assess various correctional treatment strategies employed in correctional facilities as well as the impact of these strategies on the administrators of the facilities to comply with a variety of governmental agencies and their mandated requirements pertaining to specific inmate special population groups.
- Assess the roles of probation and parole officials and the interrelationship with the correctional programs.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• CMRJ201 - Criminal Justice Administration• CMRJ202 - Stress Management in Law Enforcement• CMRJ308 - Ethics in Criminal Justice• CMRJ314 - Contemporary Criminal Justice Issues• CMRJ316 - Corrections and Incarceration• CMRJ317 - Probation and Parole

Total = 18 semester hours

Undergraduate Certificate - Counterintelligence

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Acquire in-depth knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.
- Assess the different operational styles used throughout both the Counterintelligence and Intelligence analysis communities.

Certificate Requirements (18 semester hours)

- [INTL408 - Counterintelligence Operations](#)
- [INTL409 - Counterintelligence Analysis](#)
- [INTL410 - Counterintelligence](#)

And select 3 courses from the following:

- [INTL412 - Espionage/Counterespionage](#)
- [INTL413 - Denial and Deception](#)
- [INTL414 - Intelligence and Assassination](#)
- [INTL415 - Covert Action](#)

Total = 18 semester hours

Undergraduate Certificate - Cybercrime Essentials

The rapid change in technology and the exponential growth in the use of the Internet have resulted in an increase in the number of computer- and technology-related crimes. The explosion in the use of the Internet and the ensuing growth in cybercrime have given rise to the field of digital forensics. Digital forensics is used to assemble digital evidence to prosecute cybercrime, analyze intrusions, mitigate risk, and for data recovery. This certificate provides students with the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes, examines the theory, best practices, and methodologies to conduct computer forensics investigations. An undergraduate student, regardless of field of study, may enroll in the Certificate of Cybercrime Essentials.

This certificate prepares the student to seek entry to mid-level career positions such as: Cyber Investigations Analyst, Computer/Digital Forensics Analyst, Security Analyst, Security Investigation Specialist, Investigative Specialist for the Justice Department, Evidence Analyst, Forensics Systems Analyst, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Computer Forensics Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know the selection and use of various tools, techniques, and methods specific to cyber analysts to detect, recognize, document, certify, and verify cybercrime, cyber terrorism, cyberwar, cyberstalking, and cyberbullying. This certificate also maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Appraise the rudiments of cybercrime and computer forensics. Profile the challenges of securing information on the Internet.
- Assess the process, the techniques, and technologies used by hackers to gain unauthorized access to information systems.
- Examine the processes, best practices, and techniques to manage and prevent cybercrime.
- Inspect the strategies and steps to investigate digital evidence in cybercrime. Construct the legal portfolio of digital evidence to support the prosecution of cybercrime.
- Examine the file structures, formats and technical protocols in storage subsystems encountered in gathering digital evidence.
- Develop a plan to analyze the processes and practices to seize and secure digital evidence at a crime scene and to collect evidence in both the private and public sectors.
- Analyze the steps and process used to identify, secure, catalog, and store digital evidence.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC351 - Computer Forensics [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC361 - Information Assurance [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC422 - Information Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC451 - Cybercrime [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]• ITMG371 - Contemporary Internet Topics• ITMG381 - Cyberlaw and Privacy in a Digital Age

Total = 18 semester hours

Undergraduate Certificate - Cybersecurity

Computers and the Internet have become an integral part of conducting business for companies, organizations and the government. Cybersecurity experts are needed to keep systems and sensitive information secure and out of the hands of cyber criminals. Jobs in both the public and private sector are needed due to the growing dependence of most businesses on information technology. The below attacks which happened in the past few days will show the drastic need for Cybersecurity professionals:

CNN – June 1, 2011 – MASSIVE GMAIL PHISHING ATTACK: Hundreds of personal Gmail accounts, including those of some senior U.S. government officials were hacked as a result of a massive phishing scheme originating from China. Reported by Google.

CBC News – June 1, 2011 - CYBER ATTACKS EMBOLDEN HACKERS: U.S. Defense contractor Lockheed Martin, admitted that it was the recent target of a significant and tenacious cyber attack.

WICS – May 30, 2011 - BC-US—PBS WEBSITE HACKED: PBS officials say hackers have cracked the network’s website. The hackers apparently posted a phony story claiming that dead rapper Tupac Shukar was alive in New Zealand.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Cybersecurity. This Certificate prepares the student to seek entry to mid-level career positions such as: Cyber Investigations Analyst, Cyber Security Analyst, Computer/Digital Forensics Analyst, Security Analyst, Security Investigation Specialist, Investigative Specialist for the Justice Department, Evidence Analyst, Forensics Systems Analyst, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Computer Forensics Analyst, Cyber Security Systems Analyst, Cyber Security Engineer, Cyber Intelligence Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know the selection and utilization of various tools, techniques, and methods, specific to cyber analysts, to detect, recognize, document, certify, and verify cybercrime, cyber terrorism, cyberwar, cyberstalking, and cyberbullying. This Certification also maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Demonstrate an understanding of the processes and goals of cyber forensics investigations.
- Assess and select Federal and State laws and legal concepts that affect how governments and organizations think about information security.
- Support the importance of search warrants and chain of custody in a forensic investigation.
- Apply the field of Cybersecurity and the regulatory standards and compliances.
- Gain the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC331 - Legal Issues in Information Security• ISSC351 - Computer Forensics [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC451 - Cybercrime [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics]• ISSC452 - Cybersecurity [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]• ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime Security [Prerequisite: ISSC340 - Local

Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]

- [ITMG381 - Cyberlaw and Privacy in a Digital Age](#)

Total = 18 semester hours

Undergraduate Certificate - Digital Forensics

This certificate program pertains to the study of various forensics models to identify, preserve, collect, examine, analyze, prepare, and present evidence for prosecuting cybercrime. The process of forensics investigation can destroy the very evidence it is seeking to assimilate. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator. The societal impact of cybercrime has become commonplace; it is broadcast on the evening news and is a favorite playing field for popular television shows (such as CSI) and moviemakers. Technology is a boon to society, but, in malicious hands it becomes a valuable instrument in a dark and sinister underworld. And, unfortunately, cyber legislation and forensics have been lagging way behind when it comes to cybercrime. The process of forensics investigation can destroy the very evidence it is seeking to assimilate. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Digital Forensics. This program will help prepare the next generation of IT professionals to fill positions in the Law Enforcement, at the corporate level anything from forensic to incident response, data misuse, hacking, intrusion and theft, for the Government including the Department of Defense, the National Security Agency, and the Department of Energy, and Military Investigations. It prepares the student to seek entry to mid-level career positions such as: Computer/Digital Forensics Examiner, Forensic Analyst, Computer Forensics Analyst, Forensics Systems Analyst, Forensics System Engineer, Digital Forensics Engineer, IT Forensics Manager, Multi-media Exploitation Specialist, Information Systems Analyst, Information Systems Operations Analyst, Information Assurance Engineer, Information Security Crime Investigator, Computer Crime Investigator, Cyber Forensics Analyst, Cyber Ninja, Cyber Athlete, and Cyber Gladiator. Program graduates will know through various tools, techniques, and methods, how to properly acquire and collect evidence for use in legal proceedings for criminal or civil forensics requirements, present rules of evidence, and maintain integrity of the chain of custody.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks, both caused by mobile and wireless peripheral devices, then evaluate security and access procedures within wireless Internet use subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, e-mail tracking techniques, e-mail crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.
- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC351 - Computer Forensics [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC455- Digital Forensics: Investigation Procedures and Response [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer

Forensics or ISSC451 - Cybercrime]

- [ISSC456 - Digital Forensics: Investigating Wireless Networks and Devices](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC457 - Digital Forensics: Investigating Network Intrusions and Cybercrime](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC458 - Digital Forensics: Investigation Data and Image Files](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]
- [ISSC459 - Digital Forensics: Hard Disk and Operating Systems](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks and ISSC351 - Computer Forensics or ISSC451 - Cybercrime]

Total = 18 semester hours

Undergraduate Certificate - E-Commerce

This certificate will broaden the scope of understanding e-commerce for IT students interested in embarking upon this new technology and pursuing an associate or bachelor's degree. As the technology field shifts, the curriculum must embrace the changes in technology to appropriately address the needs of the students. The growth of the World Wide Web, supported by the increased use of the Internet to purchase goods and services, has led to e-commerce, or electronic commerce, the buying and selling of products and services via computer networks. E-commerce is now one of the leading trends in web technology that is influencing the use of websites. E-commerce focuses on three major types of e-commerce as defined by B2B (business-to-business) commerce, B2C (business-to-consumer), and C2C (consumer-to-consumer). This certificate will help students stay current and remain employable in today's information age.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Explain the evolution of e-commerce architecture.
- Summarize the social and economic influences of e-commerce.
- Assess the use of Web analytics, Web videography, search engine optimization, and Web content management systems to promote e-commerce.
- Compare traditional business models with growing Web technologies, Web analytics, Web videography, search engine optimization, and Web content management systems used for e-commerce.
- Develop management strategies that would incorporate e-commerce and achieve organizational missions.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• WEBD122 - Introduction to Web Analytics• WEBD222 - Advanced Web Analytics [Prerequisite: WEBD122 - Introduction to Web Analytics]• WEBD321 - Web eCommerce Development• WEBD322 - Web Videography• WEBD323 - Search Engine Optimization• WEBD324 - Web Content Management Systems

Total = 18 semester hours

Undergraduate Certificate - Enterprise Web Applications

The Enterprise Web Applications Certificate focuses on the theories and skills necessary to perform design, develop, and deploy enterprise web applications on the Internet. This certificate prepares the adult learner to seek entry-level career positions such as: Web Publisher, Web Developer, Web Database Developer, JavaScript Developer, Java Developer, and E-Commerce Developer. Graduates will be able to apply and use Object Oriented Programming (OOP), HTML, JavaScript, Java J2SE & J2EE), and E-Commerce Solution Developer. Graduates will examine the process to build real-world Java applications and to deploy them on the World Wide Web. It is strongly recommend that students complete the Certificate in Web Publishing before embarking on this Certificate.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Assess the impact of Java 2 Standard Edition (J2SE) and Java 2 Enterprise Edition (J2EE) on Information Technology Management, on security, and on global economies as it applies to enterprise eCommerce solutions on the Web.
- Examine the principles and concepts of Object Oriented Programming (OOP) and evaluate the application of these principles in JavaScript and Java.
- Evaluate the power and advantages of XML that have made it the global standard for enterprise data exchange and data dictionary standardization.
- Explore and analyze the hierarchy of the Java Class Library; use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, life cycle, management issues, and process for developing Java Server Pages (JSP) based, Java Servlets based, and JavaBeans based enterprise web applications.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD381 - Object Oriented Programming with Java [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD481 - Enterprise Development using J2EE [Prerequisite: ENTD381 - Object Oriented Programming with Java]• INFO321 - Database Management Systems• WEBD241 - Web Development using JavaScript• WEBD341 - Enterprise Data Exchange using XML

Total = 18 semester hours

Undergraduate Certificate - Enterprise Web Applications using .NET

The Enterprise Web Applications using .NET Certificate focuses on the principles and practices necessary to design, develop, and deploy web applications using the .NET framework on the Web. Graduates will be able to build real-world .NET applications based on the knowledge and skills gained in the program. This program prepares the adult learner to seek entry-level career positions such as Web Database Developer, Visual Basic Developer, C# Developer, and .NET Developer. Graduates will be able to apply and use Object Oriented Programming (OOP), Visual Basic, ASP, and C # to develop web applications. Prior experience with object-oriented software development is strongly recommended.

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Discuss the impact of the .NET framework on Information Technology management, on security, and on global economies as it applies to enterprise ecommerce solutions on the Web.
- Examine the principles and concepts of Object Oriented Programming (OOP) and evaluate the application of these principles in Visual Basic, ASP, and C#.
- Explore and analyze the hierarchy of the Framework Class Libraries (FCL); use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, the life cycle, management issues, and process for developing Visual Basic, ASP, and C# web applications.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ENTD200 - Fundamentals of Programming• ENTD361 - Enterprise Development Using VB.NET: Introduction [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD461 - Enterprise Development Using VB.NET: Advanced [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD462 - Enterprise Development Using ASP.NET [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]• ENTD463 - Enterprise Development Using C# [Prerequisite: [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design and ENTD361 - Enterprise Development using VB.NET: Introduction]• ENTD464 - Enterprise Development using .NET: Project [Prerequisite: ENTD200 - Fundamentals of Programming or ENTD211 - Introduction to Software Design]

Total = 18 semester hours

Undergraduate Certificate - Environmental Technology

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Define the theoretical foundation of the disciplines of environmental hazard mitigation and pollution management.
- Explain the regulatory, policy, and political influences on environmental management and sustainability.
- Develop management strategies that incorporate environmental compliance standards and achieve organizational missions.
- Describe the current and emerging technologies in the treatment, remediation, and disposal of environmental contaminants.
- Evaluate strategies and assess mitigation plans for environmental contaminants.
- Assess the consequences of the ecological impacts on public health and safety, and social and economic welfare.

Certificate Requirements (18 semester hours)

- EDMG240 - Chemistry of Hazardous Materials
- EVSP111 - Hazardous Waste and Public Law
- EVSP317 - Environmental Enforcement
- EVSP411 - Environmental Regulation, Policy, and Law
- EVSP412 - Environmental Management Systems
- EVSP430 - Pollution and Pollution Management

Total = 18 semester hours

Undergraduate Certificate - Explosive Ordnance Disposal

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Recognize the historical basis of the development of the Explosive Ordnance Disposal field (EOD).
- Identify the differences between military and civilian EOD organizations.
- Select the appropriate use of technology/approach in rendering safe operations.
- Describe the basic electrical and electronic theory/circuitry used in triggering and controlling standard explosive devices and improvised explosives devices (IEDs).

Certificate Requirements (19 semester hours)
<ul style="list-style-type: none">● HLSS230 - Chemistry of Explosives● HLSS231 - History of Explosive Ordnance Disposal● HLSS232 - Electronics, Electricity and Explosives● HLSS233 - Explosive Incident Assessment: Methods, Practices, Protocols● HLSS234 - Organization for Explosive Ordnance Disposal● SCIN133 - Introduction to Physics with Lab

Total = 19 semester hours

Undergraduate Certificate - Family Studies

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Examine the dynamics and cultural influences, such as ethnicity, within a family unit.
- Apply theoretical approaches to child rearing in families.
- Develop knowledge of practical skills for working with children and parents.
- Identify and examine the aging process and its effects on a family.
- Explore and discuss strategies and practices of healthy and effective marriages and family relations.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• CHFD340 - Family Development <p><i>And select 5 courses from the following:</i></p> <ul style="list-style-type: none">• CHFD446 - Families and Social Action• CHFD225 - Introduction to the American Family• CHFD307 - Child and Adolescent Development• CHFD331 - Parenting• CHFD348 - Marriage and the Family• CHFD360 - Family Resource Management• CHFD445 - Family Communications• CMRJ322 - Crime and the Family• DEFM332 - Transition and the Military Family

Total = 18 semester hours

Undergraduate Certificate - Fire Science

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Explain the chemistry components of combustion and how combustion is managed through science.
- Identify the various fire protection systems currently used in today's building protection system.
- Identify construction methods and types of construction.
- Demonstrate use of risk analysis for a geographical community.
- Define the national fire flow formula for proper building protection and water supply.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• FSMT102 - Fire Behavior and Combustion• FSMT188 - Fire Prevention• FSMT201 - Fire Protection Systems• FSMT210 - Fundamentals of Fire Protection• FSMT287 - Fire Protection in Building Construction• FSMT289 - Fire Protection Hydraulics and Water Supply

Total = 18 semester hours

Undergraduate Certificate - Fish and Wildlife Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

Certificate Requirements (18 semester hours)

- [EVSP330 - Fish and Wildlife Policy, Programs, and Issues](#)
- [EVSP331 - Public Lands Management](#)
- [EVSP341 - Introduction to Wildlife Management](#)
- [EVSP342 - Population Ecology](#)
- [EVSP411 - Environmental Policy, Regulation, and Law](#)
- [EVSP421 - Water Resources Management](#)

Total = 18 semester hours

Undergraduate Certificate - Forensics

Certificate Objectives:

Upon completion of this certificate, the student will be able to:

- Determine the usefulness of trace elements for the forensic comparison of various types of physical evidence and relate the advantages of evidence collection from the forensic scientist's point of view.
- Explain how the science and art of profiling crime scenes, and subsequently offenders, from physical and psychological evidence is key to the investigation of crimes for which there is no known perpetrator.
- Analyze contemporary practices associated with investigating the manner and cause of sudden, unexpected, and violent death.
- Assess environmental influences and motivating factors that result in criminal behavior.
- Describe how approaches to profiling can be applied to assist in solving crimes.
- Discuss principles of criminal liability and the acts, mental state, and attendant circumstances that are central ingredients in crimes against society, persons, or property.
- Describe why a basic knowledge of chemistry and human anatomy is critical in the world of forensics.

Certificate Requirements (23 semester hours)
<ul style="list-style-type: none">• CMRJ329 - Criminal Profiling• CMRJ335 - Crime Analysis• CMRJ341 - Criminalistics• CMRJ402 - The Pathology of Death Investigations• LSTD302 - Criminal Law• SCIN131 - Introduction to Chemistry with Lab• SCIN132 - Introduction to Human Anatomy and Physiology with Lab

Total = 23 semester hours

Undergraduate Certificate - Hazardous Waste Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify the purpose of a hazardous waste management program.
- Define the categories of waste including hazardous, universal, potentially hazardous, and non-hazardous.
- Explain the purpose for regulating hazardous waste and the regulatory standards that apply to hazardous waste management.
- Identify the container, labeling, and storage requirements for hazardous waste.
- Describe transportation and disposal requirements for hazardous waste.
- Explain the requirements for emergency preparedness and contingency planning.
- Explain the requirements for training personnel, reporting, and recordkeeping.
- Describe methods of reducing the generation of hazardous wastes.
- Describe proper management and disposal procedures for typical hazardous, universal, and potentially hazardous wastes.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• EDMG330 - Managerial Issues in Hazardous Materials• EVSP110 - Introduction to Hazardous Waste Management• EVSP111 - Hazardous Waste and Public Law• EVSP210 - Hazardous Waste Treatment and Disposal• EVSP220 - Emergency Spill Response• TLMT318 - Hazardous Materials Transportation

Total = 18 semester hours

Undergraduate Certificate - Homeland Security

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify the key challenges for the 21st century facing not only U.S. homeland security strategy, but also those of other major actors that might become “peer competitors.”
- Discriminate between valuable sources of information and those sources that are questionable.
- Differentiate between homeland security and homeland defense.
- Describe the national intelligence apparatus including FBI, CIA and NSA.
- Assess proposals for improvement in the state of homeland security.

Certificate Requirements (18 semester hours)

- [HLSS302 - Introduction to Homeland Security and Defense](#)
- [HLSS305 - Private Sector Homeland Security](#)
- [HLSS320 - Intelligence and Homeland Security](#)

And select 3 courses from the following:

- [HLSS154 - Mind of a Terrorist](#)
- [HLSS212 - Chemical, Biological, and Radiological Hazards](#)
- [HLSS215 - Regulatory Issues in Weapons of Mass Destruction](#)
- [HLSS311 - Border and Coastal Security](#)
- [HLSS312 - Port Security](#)

Total = 18 semester hours

Undergraduate Certificate - Human Resource Management

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify and discuss various laws, rules, regulations and policies affecting employees in today's workplace.
- Distinguish and discuss various compensation packages and incentives used in recruiting employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• HRMT407 - Human Resource Management• HRMT412 - Compensation and Benefits• HRMT413 - Employment and Labor Relations• HRMT415 - Human Resource Management Information Systems• HRMT416 - Human Resource Development• MGMT310 - Principles and Theory of Management

Total = 18 semester hours

Undergraduate Certificate - Infant and Toddler Care

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Identify cognitive, physical, social, and emotional changes that occur in early childhood.
- Explore the relationship between a child's development and interactions with parents, siblings, peers, and teachers.
- Examine the fundamentals of infant and toddler development including planning and implementation of programs in daycare.
- Develop knowledge of formal and informal methods of gathering data on young children.
- Apply interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural environments.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• CHFD210 - Childhood Educational Development• CHFD212 - Infant and Toddler Programs• CHFD308 - Infant-Toddler Development• CHFD312 - Special Needs Students• COMM240 - Intercultural Communication• EDUC111 - Observation Techniques

Total = 18 semester hours

Undergraduate Certificate - Information Security Planning

This certificate assesses the principles of attack and defense and applies that knowledge to protect the information assets of an organization. Any undergraduate student, regardless of major, may enroll in the Certificate in Information Security Planning. This certificate prepares the adult learner to seek entry-level career positions such as: Information Assurance Analyst, Information Assurance Manager, Security Policy Analyst, Security Planner, and Security Auditor. Program graduates will know how to design secure networks, develop security policies, use cryptography, and perform business continuity planning.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Assess the laws (national and federal), policies (including Sarbanes-Oxley Act), issues (social, psychological, legal, and management), risks, and controls related to information assurance and network security.
- Appraise the principles and concepts behind computer network defense (CND) methodology, robust codes, cryptography, authentication, authorization, non-repudiation, and commercially available security packages (PKI, PGP, Kerberos, SSL, VPN).
- Examine the processes, roles and responsibilities of management and security professionals in risk assessment, risk mitigation, security validation, policy enforcement, and personnel indoctrination.
- Assess the key components of the Physical Security Policy, Internet Security Policy, Email Security Policy, Encryption Security Policy, Software Development Security Policy, Authentication Security Policy, Network Security Policy, Acceptable Use Policy, and the policy that addresses viruses, worms, and Trojan horses.
- Assess the engineering discipline, process, techniques, tools, and technologies used by hackers to gain unauthorized access to the systems and appraise counter measures to mitigate this risk.
- Examine the plans, procedures, practices, and tools to ensure business continuity and to recover rapidly after an incident.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC361 - Information Assurance [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC362 - IT Security: Attack and Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC422 - Information Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC471 - IT Security: Auditing [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC481 - IT Security: Planning and Policy [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ITMG381 - Cyberlaw and Privacy in a Digital Age

Total = 18 semester hours

Undergraduate Certificate - Information Systems Security Essentials

Security threats increase in number and severity at a faster rate than qualified security professionals can fill in the necessary gap. Qualified security professionals are in dire need, even in a troubled economy, as businesses prioritize their budget spending to invest in a secure business environment. This certificate assesses and demonstrates essential skills in most of the 10 information security domains: access control, application security, business continuity and disaster recovery planning, cryptography, information security and risk management, legal, regulations, compliance and investigations, operations security, physical (environmental) security, security architecture and design, and telecommunications and network security based on the principles of proven and universally accepted information security models. Upon completion of this certificate program, the student will be prepared for the Security+ Certification testing.

An undergraduate student, regardless of field of study, may enroll in the Certificate of Information Systems Security Essentials. This certificate prepares an IT professional to seek entry-level career positions in administration, development, and integration, such as: information security analyst, information security technician, and computer security administrator. Program graduates will know how to design secure networks, develop security procedures, administer security policies, apply cryptography, and create IT security plans.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Evaluate information security strategies, architectures and plans to counteract intruders in an information system.
- Appraise national and federal laws, policies, and guidance related to information assurance; also develop an awareness of the social, psychological, ethical, and legal policies and requirements in the field of information assurance.
- Examine and profile the various types of security attacks and exploits; also appraise various security technologies, such as: packet filtering, Stateful Packet Inspection (SPI), proxy technology, Network Address Translation (NAT), Public Key Infrastructure (PKI) authentication, and encryption.
- Analyze the concept and the functionality of firewalls, routers, Virtual Private Networks (VPN), and Intrusion Detection Systems (IDS).
- Appraise the role of security assessments, penetration testing, and security plans in establishing network security; also evaluate the components of a network security assessment methodology.
- Investigate methods of mitigating risk by minimizing the exposure of information to hackers and the techniques hackers use to avoid detection and to cover their electronic footprints.
- Develop an assessment methodology that identifies, attacks, and penetrates IP based network systems.
- Define public key cryptography, the purpose of digital certificates, and risk analysis and explain ways to securely manage operations.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• ISSC361 - Information Assurance [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC362 - IT Security: Attack & Defense [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC363 - IT Security: Risk Management [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC421 - Computer and Network Security [Prerequisite: ISSC340 - Local Area Network Technologies] [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]• ISSC422 - Information Security [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to

Networking or ISSC343 - Wireless Networks]

- [ISSC461 - IT Security: Countermeasures](#) [Prerequisite: ISSC340 - Local Area Network Technologies or ISSC341 - Introduction to Networking or ISSC343 - Wireless Networks]

Total = 18 semester hours

Undergraduate Certificate - Instructional Design and Delivery

Certificate Objectives:

- Demonstrate effective professional and personal communication skills.
- Design curriculum for adult learning contexts.
- Use effective classroom management approaches in adult learning contexts.
- Apply adult learning theory.
- Apply learning and cognition theory in adult learning contexts.
- Design instructional assessments based upon measurement and evaluation theory.

Certificate Requirements (18 semester hours)

- [COMM285 - Interpersonal Communications](#)
- [EDUC320 - Classroom Management](#)
- [EDUC340 - Adult Learning Theory](#)
- [EDUC401 - Curriculum Design](#)
- [EDUC402 - Measurement and Evaluation](#)
- [PSYC303 - Learning and Cognition](#)

Total = 18 semester hours

Undergraduate Certificate - Intelligence Analysis

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Conduct basic research and provide professional analyses on issues critical to intelligence consumers.
- Identify the basic cognitive science principles that underlie human information processing and problem solving such as intelligence analysis.
- Complete intermediate-level analyses in selected areas critical to intelligence consumers.

Certificate Requirements (18 semester hours)

- [INTL300 - Research Methods in Intelligence Studies](#)
- [INTL401 - Critical Analysis](#)
- [INTL402 - Intelligence Analysis](#)
- [INTL434 - Threat Analysis](#)

And select 2 courses from the following:

- [INTL419 - Applied Geospacial Intelligence](#)
- [INTL431 - Criminal Intelligence Analysis](#)
- [INTL432 - Geographic Information Systems I](#)
- [INTL433 - Geographic Information Systems II](#)
- [INTL446 - Intelligence and Narcotics](#)
- [INTL454 - Forecasting Terrorism](#)

Total = 18 semester hours

Undergraduate Certificate - Internet Webmaster

This certificate is a study of Web site design, internet concepts, networking, Web development fundamentals, Dreamweaver, and Adobe Flash. The courses in this certificate program are aligned with the Certified Internet Webmaster (CIW) Associate, CIW Associate Design Specialist, CIW Professional industry standard certifications. It focuses on Web page layout, navigation, typography, Web graphics, color, color theory, web safe colors, HTML, XML, XHTML, structural elements (tables and framesets), cascading style sheets, and metadata. It also concentrates on the technical side of the Internet, examining network types, protocols, browsers, search engines, email communication and personal information management, multimedia on the Web, Internet services and tools [newsgroups, telnet, File Transfer Protocol (FTP), and instant messaging], internet security (encryption, authentication, firewalls, malware, virus detection and prevention, spyware, updates and patches), and IT project management. Also, students will be exposed to Cascading Style Sheets (CSS), graphics (enhance, optimize, embed, and edit image properties), tables, templates, frames, forms, and snippets. Prior experience with scripting languages such as JavaScript is strongly recommended.

Certificate Objectives:

Upon completion of this program, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Compare and contrast the functions of network protocols; describe network transmission media and types and identify network architecture and topologies; and describe the Internet architecture model and Internet protocols.
- Assess the principles for designing web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Investigate the principles and concepts of effective design for organizing information, for performing site design, and for determining the navigation structure.
- Examine the features, functions, and settings of e-mail and FTP; also evaluate the risks with using FTP.
- Differentiate between Web search engines, Web directories, and Web metasearch engines; also predict the future of Web search tools.
- Appraise Cascading Style Sheets (CSS) and apply this knowledge to develop web page and web site templates.
- Develop X/HTML code to create Web pages with images and image maps.

Certificate Requirements (18 semester hours)
<ul style="list-style-type: none">• DSIN121 - Web Page and Web Site Design• DSIN242 - Motion Graphics using Macromedia Flash• ISSC341 - Introduction to Networking• WEBD121 - Web Development Fundamentals• WEBD262 - Web Site Development using Dreamweaver• WEBD311 - Internet Concepts

Total = 18 semester hours

Undergraduate Course Descriptions

Business

BUSN100 Basics of Business (3 hours)

This course is designed to acquaint the student with the terminology, organization, and function of the American business system. The course will give the student a broad background about the contemporary American and global business environments as well as considering different business organizations, management principles and strategies. Topics covered include marketing, finance, personnel, customer relations, production and operations, e-business, world trade ventures, internal information systems and decision-making processes.

BUSN120 Real Estate Principles (3 hours)

This course provides an introduction to real estate as a business and profession. Students will have the opportunity to discuss and review terminology, concepts and best practices for the real estate industry. Topics will include the real estate market, property rights, deeds and leases, contracts, the closing process, urban economics, brokerage, appraisal, land uses, and insurance.

BUSN250 Analytics I (3 hours)

This course is designed to provide a foundational knowledge in analytics, and how it is used in business to strengthen the decision-making process. As technology has changed the landscape of business processes, it has also created a necessity for decision-makers to have the ability to use various tools to create, manipulate, and report data. Students will learn operational statistical theories, software options to work with data, and begin to integrate concepts into objective decision-making.

BUSN299 Applied Business Solutions (3 hours)

This course is an integrated-based approach to task-based, business problem-solving using various technology solutions such as productivity software products, the Internet, and free applications. Students will be challenged to use appropriate technology skill sets, while also learning additional skills working on real world business projects. Students will complete the course with an e-portfolio of their work, which can in turn be used in the job search process. (Prerequisite: ENGL225 and ITCC111 or ITCC112)

BUSN310 Business Theory (3 hours)

This course provides an understanding of the corporation, each of the business functions (to include accounting, finance, marketing, technology, management, and planning), and the relations between and among functions in the operation of the firm.

BUSN311 Law and Ethics in the Business Environment (3 hours)

This course develops skills for inquiry into the business environment from a legal and ethical perspective. Students explore the relationships between modern business and the environment, in addition to the ethical issues that arise when diverse interests intersect. Relevant topics will include contracts, commercial law (sales, secured transactions and creditors remedies), forms of business entities (including limited liability companies and corporations), agency, employer-employee relationships, real property concepts, bankruptcy, and negligence and strict liability concepts. Students will examine corporate governance and business ethics, with emphasis on case studies.

BUSN312 Operations Research (3 hours)

This course introduces Operations Research and includes the application of operations research and management science techniques to management decision problems. Operations research techniques and methods can be applied to problems in virtually all-functional areas of business including accounting, finance, marketing, production and human resources. Examples from each of these areas will be covered during the course. A feature of the course is that Microsoft Excel is used to implement some of the techniques covered. This means that you will become proficient in using Excel; the most widely used electronic spreadsheet in business today. (Prerequisite: MATH110, MATH111 or MATH225)

BUSN313 Global and Competitive Strategy (3 hours)

This course is concerned with the formulation and analysis of business strategy. Business strategy is the set of objectives and policies that collectively determine how a business positions itself to increase its returns and create economic value for its owners and stakeholders. Students will be introduced to analytical techniques for diagnosing the competitive position of a business,

evaluating business strategies, and identifying and analyzing specific business options.

BUSN316 Fundamentals of Entrepreneurship (3 hours)

This course focuses on the actual tasks and activities of the entrepreneur-from researching venture feasibility, to launching the venture, to managing growth. Covered are descriptions of real entrepreneurs in action, facing the challenges that entrepreneurs must deal with, and making good and even some not-so-good decisions. This study relates the excitement of the entrepreneurial adventure.

BUSN318 Small Business Management (3 hours)

This course focuses on the unique aspects facing the small business, to include issues of strategy, marketing, personnel, operations, profitability, surviving in the market, financing, among other issues. Resource constraints are covered as a major topic.

BUSN320 Principles of E Business (3 hours)

This course is a study of the fundamental principles of e-business. Students will learn how to build a successful e-business operation with step-by-step guidance for writing an e-business plan and simplified guidance for the development and management of a start-up customer focused website. Students will select an e-business of their choice and, using worksheets from their textbooks, follow a step-by-step process to develop eight sections of the e-business plan: business description, product and services, marketplace analysis, marketing planning, management and organization, operations, business location and equipment, and financial plans. Students will integrate basic start-up web site design plans and concepts into their e-business plan. The major objective of this course is for every student to apply the principles of e-business, e-marketing and basic website design and develop an e-business plan for immediate application or for future reference.

BUSN330 Fundamentals of Business Analysis I (3 hours)

This course focuses on business user requirement gathering and provides a variety of techniques to prepare and conduct related activities. Students gain insight into determining functional business requirements and determining user work flows in a business.

BUSN331 Fundamentals of Business Analysis II (3 hours)

This course provides a comprehensive review of different types of business requirements, tools and techniques, and documentation suites. Students apply techniques such as Unified Modeling Language' context and use case, data models, state, activity, sequence, and use cases.

BUSN332 Business Use Cases (3 hours)

The course provides practical knowledge in documenting user business functions. Students learn how to document business functions in user's scenarios, develop use cases, and the application of use cases into the development life cycle activities.

BUSN333 Project Management for Business Analysts (3 hours)

This course focuses on project requirements as the basis for managing development life cycles. Students learn to define project cycle time, measure and estimate project efforts, and set priorities.

BUSN350 Analytics II (3 hours)

This course is designed to provide a intermediate knowledge in analytics, and how it is used in business to strengthen the decision-making process. Students will focus on managerial level of statistical methods, advanced Excel functionality, and continue to work on applying concept to strengthen the ability to integrate concepts into objective decision-making processes. (Prerequisite: BUSN250)

BUSN410 Critical Thinking Strategies for Business Decisions (3 hours)

This course provides students opportunities for analysis, synthesis, and application of critical thinking applied to decision making at all levels in an organization. This course equips students with critical thinking skills to identify problems utilizing rational decision making. Students learn to solve organizational problems and provide strategic direction based on critical thinking.

BUSN411 Entrepreneurial Opportunity Eval. & Bus.Plan Dev. (3 hours)

This course focuses on the essential framework and first steps towards the student's objective evaluation of entrepreneurial

opportunity. The first portion of the course will focus on evaluation of opportunity. Topics of the course center on a framework to provide funding, strategy, format, and other issues essential to the delivery of a business plan from an entrepreneurial idea, concept, or vision.

BUSN412 Quality Management Systems (3 hours)

This course examines quality management and views quality as a systematic process leading to customer satisfaction. The course covers methodologies that will aid managers in implementing and assuring an organization's quality system is effectively meeting the organization's business goals.

BUSN415 Small Business Growth and Development (3 hours)

This course is designed to prepare you to take a small business from the startup stage to the growth stage. This step is often a huge leap for businesses and requires special skills and management approaches. This course will focus on organizing for growth, intensive marketing for growth, creating growth strategies, and financing growth.

BUSN419 International Business Management (3 hours)

This course focuses on the organization, management strategies, and essential operations of international business and cross cultural management. It provides a managerial perspective and a framework of analysis for examining the similarities and differences in the philosophy and practices of management around the world. Topics include the methods and importance of effective strategic planning when organizing and administering international marketing, finance, and human resource management areas toward efficient business, government, and global market relationships. By focusing on the analysis of national and organizational cultures and the impact of individual behaviors, the course gives a strong basis for managers to successfully manage in different countries and different populations.

BUSN450 Applied Analytics (3 hours)

This course is designed to lead students through various projects and business problem scenarios to enable them to apply concepts learned to quantify elements of alternative elimination, assess data pertinent to the overall decision-making process, and to gain and understanding of the different business functions and how data is used differently in each area. This course requires Microsoft Excel 2010 or higher. (Prerequisite: BUSN350)

BUSN490 Business Administration Independent Study (3 hours)

An opportunity for Business Administration students to pursue an independent research project or examine a specific area of Business Administration under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. This course will require students to produce a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

BUSN499 Senior Seminar in Business Administration (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Business Administration. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students should complete ALL Core and Major courses prior to this course. Student must have SENIOR standing to register.

ECON101 Microeconomics (3 hours)

Microeconomics is an overview course that covers how households (consumers), firms (producers), and governments interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

ECON102 Macroeconomics (3 hours)

Introduction to Macroeconomics is a survey course that builds on the topics covered and skills developed in ECON101 (Microeconomics) in order to present a complete picture of the economy. Macroeconomics shows how consumers and markets fit into the overall or aggregated economy and provides a framework to assess government policies. Key topics covered will include economic cycles (growth and recession), economic indicators and measures and interest rates and money supply.

ECON201 Microeconomics for Business (3 hours)

Microeconomics for Business is an overview course that covers how microeconomics impacts business operations and the strategic management of the organization. Households (consumers), firms (producers), and governments are examined to assess how they interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

ECON202 Macroeconomics for Business (3 hours)

Macroeconomics for Business is an overview course that covers how macroeconomics impacts business operations and the strategic management of the organization. An introduction to the principles and tools of macroeconomic analysis is provided. Macroeconomics for Business investigates the main topics of the overall economy including Gross Domestic Product, inflation, unemployment, economic growth, recession, monetary policy and fiscal policy. We use these theories and concepts to examine the role of the government in our economy and how government makes choices.

ECON301 Comparative Economics (3 hours)

This course analyzes the main economic systems operating today and their effect on international trade policies. Students will compare economic internal growth in centrally planned, mixed, and capitalist economics. Analyzes the performance of various economic systems in today's global economy and discusses important problems and issues of economic transition. Compares the basic theories of economic systems and various models of economic transition

ECON302 Environmental Economics (3 hours)

This course explores environmental economic theory and the relationship between market activity and the environment. The course emphasizes the use of economic analytical tools, such as market models, benefit-cost analysis, and risk analysis to assess environmental problems and to evaluate economic policy solutions.

ECON303 International Economics (3 hours)

This course provides a comprehensive account of the theory and practice of international trade and international monetary relations. Emphasizes its place on modern trade theory and applications, trade policies and arrangements, and international factor movements. Topics include international financial relations, including the balance of payments, exchange rate determination and regimes, international economic policy, and international banking.

ECON304 Monetary Economics (3 hours)

This course analyzes money and banking, the US and world financial markets, the role of the central bank, and monetary policies. Topics include principles and issues in money and banking, the nature and functions of money, financial institutions and markets, banking structures, and regulations.

ENTR150 Idea Generation (3 hours)

The act of being an entrepreneur is taking an idea and turning it into reality. There are two types of entrepreneurs - those that have a myriad of ideas and those that can't think of one idea. This course, Idea generation, is dedicated to helping the student identify opportunities for a new business venture by either deciding on one idea they have or helping to create ideas. The course starts with recognizing various ways to come up with a new idea and ends with outlining a plan to take the idea to reality.

ENTR200 Leadership in Small Business Ventures (3 hours)

This course is designed to equip small business owners with leadership skills to both supervise and inspire their staff. Students will learn how to grow the business through the right employees finding and selecting the right employees to managing and motivating to legalities. Focal points will range from the beginning with recruiting employees to the end with what's legal and what is not.

ENTR215 Innovation Design and Prototyping (3 hours)

The purpose of this course is to expose students to various methods of design and walk them through the process from design to production. Students will learn the techniques of innovative product creation and implementation, and analyze examples of actual products that were and were not successful.

ENTR216 Service Innovation and Delivery (3 hours)

This course is intended for students who expect to work in a service based business and covers various topics related to success in the small business service industry. Customer service has become a critical element of success and in a service-based business, it is imperative that students master the concepts associated with providing excellent service.

ENTR300 Foundations of Entrepreneurship (3 hours)

This course covers the fundamentals of being an entrepreneur, from concept to implementation. Students will consider the fundamentals components of entrepreneurship including identifying an industry and type of business, type of business formation, product selection and branding, target customers and their needs, the purpose of the business model and the business plan, and identify team members and stakeholders.

ENTR310 The Family Owned Business (3 hours)

This course will provide a framework for understanding individual and group behaviors within dynamic organizations. Topics to be covered will be human behavior principles in individual, groups/teams, and organizational settings. The main emphasis of this course will be on developing effective administrative/managerial skills in improving employee performance

ENTR311 Business Plan Foundations (3 hours)

This course focuses on the building the foundational business planning document that the student will use for the remainder of the program. The first portion of the course will focus on evaluation of opportunity. Student will begin thinking about topics such as funding, strategy, formation, marketing, and other issues essential to planning a successful start-up from idea to concept to visualization.

ENTR315 Financing a New Venture (3 hours)

This course will examine financial strategies needed to support a business start-up. The student will investigate sources of funding and debt capital and analyze investment strategies unique to the start-up. This course will develop the conceptual framework to understand a wide variety of ethical and finance problems related to launching the entrepreneurial venture. Topics addressed include managing the cash cycle, seed and venture capital, cost of capital and capital structure, entry strategies such as franchising and acquisition, self-funding, debt financing, angel investors, and financing from venture capital firms. The student will also investigate exit strategies such as selling the business, mergers, liquidation and bankruptcy

ENTR320 Practical Law for the Entrepreneur (3 hours)

This course covers many of the legal aspects of starting a new business venture, including, business entity selection and formation, employment law, intellectual property, taxation, government regulation and contract law.

ENTR340 Small Business Customer Service (3 hours)

New business owners must be able to retain customers. Whether online or in a physical location, customer service is critical to a small business owners success. This course discusses both personal and virtual customer service techniques

ENTR410 Money Management for Entrepreneurs (3 hours)

This course provides detailed budgeting and money management tools to start and grow a new business. Many entrepreneurs have charismatic leadership and vision, but underestimate the importance of the ability to manage the money coming and going out of the organization. Cash deficits can cripple a company, so it is imperative that smart business owners understand the drivers of good cash flow and strong profitability. (Prerequisite: ENTR315)

ENTR415 Marketing the Successful Small Business (3 hours)

This course covers the intricate details of marketing a small business, from developing a marketing strategy and plan to implementing social media to traditional tactics such as direct mail and media advertising. The student will address many

marketing issues that face start-up and small businesses. Key topics covered are marketing strategy, market research, segmentation and target markets, competitive analysis, PR, advertising and how to leverage a marketing budget for optimum results.

ENTR420 Social Media to Grow Small Business (3 hours)

This course explores the benefits and challenges of using social media and other online marketing techniques to grow a small business. The topics will explore Facebook, Twitter, Linked-In and other popular social media tools. Students will learn how to leverage social media to enhance the company's branding and marketing strategy and enhance customer relations. While this course does not have a prerequisite requirement, students should note that this is not an entry level course.

ENTR425 Operating a Small Business (3 hours)

This is a critical operations modeling course to learn how to use Excel to formulate crucial numbers within the business without having to invest in costly software. Students will learn how to use Microsoft Excel to create business models that will enable them to create cost savings within the business surrounding productivity, efficiency, scheduling, pricing, and other quantitative decisions within the operations function

ENTR430 Virtual Small Business (3 hours)

This course will teach students how to transform their business into an eBusiness. Students will evaluate traits of successful eBusinesses. Topics covered include business plans and eBusiness strategy. The course will introduce students to the basics of web development software and databases. Students will learn about B2B, B2C and B2G marketing strategies. While this course does not have a prerequisite requirement, students should note that this is not an entry level course.

ENTR499 Small Business Senior Seminar (3 hours)

The Small Business Capstone Project synthesizes the prerequisite core and elective Entrepreneurship Courses allowing the student to begin work on their own small business. Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.

Undergraduate Course Descriptions

Child and Family Development

CHFD101 Professional Careers and Education in Child Family Development (3 hours)

This course provides an overview of child and family development as a profession and academic discipline. It focuses on the broader discipline and its specialty areas of study and practice, career opportunities available in the field and educational requirements for field entry, effective job and graduate program preparation strategies, and practical issues confronting child and family services and professionals in related occupations.

CHFD210 Childhood Educational Development (3 hours)

This course examines a variety of developmentally appropriate instructional strategies central to the education of children. Integrating a micro-systemic perspective that takes into account internal and external family dynamics, this course will focus on identifying theoretical and applied solutions to the choice of age-appropriate learning exercises

CHFD212 Infant and Toddler Programs (3 hours)

This course examines the fundamentals of infant and toddler development, including planning and implementing programs in group care. It emphasizes meeting physical, social, emotional, and cognitive needs; scheduling, preparing age-appropriate activities, health and safety policies, record keeping, and reporting to parents.

CHFD215 Introduction to Child Development (3 hours)

This course addresses the research and theory of child development from conception through the end of childhood. Topics include the child's emotional, perceptual, and intellectual development, with attention to the social, cultural, and biological context in which children develop. Practical applications of theory and research will be emphasized.

CHFD220 Human Sexuality (3 hours)

This course is an overview of the biological, psychological, cultural, and behavioral aspects of human sexuality and family life. The overall theme of the course focuses on attitudes and responsible sexual behavior. Key topics include how culture, society, and history have impacted our understanding of human sexuality.

CHFD225 Introduction to the American Family (3 hours)

This course examines the family during modern times. Topics include a diverse range of issues, including single mothers, fathers, disparities among families, childcare and child well-being, cohabitation, and how these trends affect American family life.

CHFD307 Child and Adolescent Development (3 hours)

This course is a study of theories, research and practical interventions concerning the psychological development of the child from conception to puberty. Course content focuses on biological, intellectual, emotional and social development, and the dynamics of family, peer, school and other environmental influences.

CHFD308 Infant-Toddler Development (3 hours)

This course is an examination of physical, cognitive, emotional and social development in the first 3 years of life. Course topics include developmental milestones, abnormal development and disease, parenting, family dynamics and appropriate care practices and environments from infancy through 36 months of age.

CHFD311 Guidance in Early Childhood (3 hours)

This course stresses the need to respect the unique qualities that individual children and their families bring to the early childhood setting. It presents developmentally appropriate guidance strategies that help young children to become responsible, respectful, and productive members of the community.

CHFD312 Special Needs Students (3 hours)

This course focuses on theory and practical approaches to understanding and providing accommodations for students with special needs. Students will be presented with an overview of the characteristics of the most prevalent types of disabilities, as well as the

laws that protect and best educational practices for children with disabilities. Students will examine the methods to teach, as well as the documents that provide the legal basis for meeting the needs for an appropriate education for this population.

CHFD331 Parenting (3 hours)

This course examines factors influencing child rearing practices in families with an emphasis on developing practical skills for working with parents and children. Topics of study include family systems, communication dynamics, blended and culturally diverse families, conflict management, custody concerns, factors supporting healthy child development and resilience, challenges to positive parenting and models for effectively working with parents and youth

CHFD340 Family Development (3 hours)

This course is a study of the dynamics of family interaction over the life cycle. Course content emphasizes the developmental, social, and cultural influences of the family in relation to a variety of personal and social experiences.

CHFD342 Human Life Span Development (3 hours)

This course is a survey of human development across the life span. Course content includes terminology, principles, and theories related to genetic and environmental influences on physical, cognitive, emotional and social development.

CHFD348 Marriage and the Family (3 hours)

This course guides students through an examination of the major theories and research findings related to healthy and effective marriages and families. Family dynamics associated with marital breakdowns and an introduction to family therapy are included.

CHFD350 Family Life Education (3 hours)

The course offers a philosophical and historical perspective on family life education across the lifespan. Practice in curriculum development including content, objectives, and teaching strategies for diverse social groups and settings is stressed.

CHFD360 Family Resource Management (3 hours)

The course covers the management of a variety of resources most often found in family systems. Included is the interaction of families with other societal environmental systems in acquiring and using resources to meet goals and other demands.

CHFD411 Child Psychopathology (3 hours)

This course focuses on psychopathology in childhood from biological, cognitive, social and emotional perspectives and the assessment and diagnostic tools and treatment approaches used with major childhood disorders. Environmental factors contributing to the development of child psychopathology, including family dysfunction, interpersonal violence and trauma and assessment of risk for child abuse and neglect, drug use and suicide will be examined. (Prerequisite: CHFD307) This course replaces CHFD410.

CHFD415 Children and Stress (3 hours)

This course examines historical and current research related to, and practical applications for managing and reducing, childhood stress within home, school and community environments. The effects of separation, divorce, violence, crises and trauma both within and external to the home, and events impacting local and extended communities will be addressed with a prevention and intervention focus.

CHFD445 Family Communications (3 hours)

This course emphasizes the role of communications within the family relationship cycle. It examines how individual needs, perceptions, and self-concepts affect the quality of intra - and inter-familial communication, and integrates both theoretical and applied aspects of family research.

CHFD446 Families and Social Action (3 hours)

This course is the study of the multidimensional aspects of family law and policy, including child support enforcement, homosexual marriage, and surrogate parenting. Students will analyze case excerpts from court opinions on family policies and laws that apply at the federal, state, and local level.

CHFD498 Senior Seminar in Child and Family Development (3 hours)

This course covers major issues within the field of child and family development. Historical underpinnings of theory and practice, factors influencing family function and dysfunction across the lifespan, family education and guidance, law and public policy related to children and families, family resource management, and ethical and professional issues confronting practitioners in field are examined. Extensive research, reading and synthesis of scholarly and professional resources are required. Prerequisite: Student must have SENIOR standing to register.

HDFS401 Child Life Theory and Practice (3 hours)

Child Life Theory and Practice will support students in the application of knowledge of child development to educate, prepare, and support children and their families through the processes of hospitalization and changes in family dynamics related to illness.

Child Life Theory and Practice is taught by a Certified Child Life Specialist and will meet one of the requirements of the Child Life Council to become a Certified Child Life Specialist. Pursuit of Child Life certification upon completion of this course is not required but is encouraged.

Undergraduate Course Descriptions

Communications

COMM200 Public Speaking (3 hours)

Public Speaking will introduce students to the field of communication studies, giving them a basic foundation in the issues relevant to communicating effectively in today's global, technological, and diverse world: history and theories of communication, ethics, the audience, developing and delivering a speech, and types of speeches and specialized speech situations, including the job interview. This course utilizes Thinkwell Public Speaking online materials, which includes video selections of historic speeches for study as well as examples of student speakers. Students enrolling in this course must be able to capture video (required) for their speeches. Video files are created and stored within the classroom for the students' security.

COMM210 Communication and Gender (3 hours)

This course examines the similarities and differences in male and female communication styles and patterns. The content emphasizes implications of gender as a social construct influencing perceptions, values, stereotyping, language use, nonverbal communication, and power conflict in human relationships.

COMM211 Social Media and Society (3 hours)

This course explores the practical and theoretical social impacts of computer-mediated communication (CMC) systems, including many different types of technologies, such as social networking sites, email, forums, chat, and online games. Students will engage in the analysis of CMC practices, the social processes and structures that emerge when people use these applications, and the problems and barriers that emerge from use.

COMM220 Small Group Communication (3 hours)

This course will examine the theoretical and practical issues that affect communication between members of work teams, discussion groups, and decision-making bodies. Students will work as members of student teams to analyze both the theoretical and practical implications of the issues that surround effective communication and miscommunication in a small group setting.

COMM240 Intercultural Communication (3 hours)

This course develops interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural relationships, and focuses on differences in values, message systems, and communication rules across cultural boundaries and in multicultural settings.

COMM250 Mass Communication (3 hours)

This course is an introduction to major mass communication theories as a context to examine major issues surrounding mass media in American society. Students will trace the history and development of the major media, both nationally and internationally, and examine the connection to, and interdependence of, each medium to other media. Emphasis will be placed on the current status of each medium and its influence on society and vice versa.

COMM280 Ethics in Communication (3 hours)

This course is a study of the ethical considerations in communication. It will examine the main ethical issues in interpersonal and mediated communication, including such topics as objectivity, freedom of expression, representations of sex, violence and other human behavior, privacy, confidentiality and obligations to the public.

COMM285 Interpersonal Communications (3 hours)

This course is designed to focus on communication within the workplace, personal activities, and family life in order to establish and maintain healthy interpersonal relationships. This course serves as an introduction to major theories and empirical research regarding the role of interpersonal communication as it relates to personal, contextual, and cultural variables in the development of various types of relationships.

COMM350 Journalism (3 hours)

This course will introduce students to core journalism skills and the historical, social and political context of journalistic practice.

The course provides instruction in on-line journalism, news writing, story structure, interviewing techniques and a working understanding of the code of ethics and legal issues which impact journalistic practice. (Prerequisite: ENGL101 or ENGL102).

Undergraduate Course Descriptions

Criminal Justice

CMRJ100 Introduction to Law Enforcement (3 hours)

This course is an introduction to the philosophy, history, and constitutional limitations of law enforcement. The course will focus on the function of law enforcement within society, ethics and professionalism, theories of law enforcement, and the legal aspects that impact law enforcement.

CMRJ101 Evidence and Procedures (3 hours)

This course will provide an introduction to the collection, preservation, and basic crime scene investigations. Furthermore this course will also focus on the laws and court decisions relating to the admissibility of evidence as well the appropriate methods of interrogation and its uses in the criminal justice process.

CMRJ201 Criminal Justice Administration (3 hours)

The course will provide the student with an overview of the American criminal justice system as an interdisciplinary social science involving aspects of criminology, sociology, law, and political science. This course will also examine the complexity of the American Criminal Justice System through its administrative process.

CMRJ202 Stress Management in Law Enforcement (3 hours)

This course will explore the stresses of law enforcement, specific stress factors in law enforcement (i.e., shift work, hazards and dangers, dealing with death and severe injury, post-shooting trauma, testifying in court, and undercover work). Methods and techniques for reducing stress will be discussed as will applying these techniques in the field.

CMRJ203 Patrol Methodologies & Community Policing (3 hours)

This course will provide an in-depth overview of the concepts and theories associated with being a patrol officer. The student will become familiar with aspects of community-oriented policing; problem-oriented policing, civil liability, ethics and day-to-day police activities that make patrol work the backbone of law enforcement.

CMRJ205 Rape and Sexual Violence (3 hours)

This course will explore the sociological and psychological perspectives of sexual crimes as well as examine the legal and forensic aspects of rape. The impact rape has on its victims and society's reactions to sexual violence will be analyzed not only within the United States but around the world. Additionally the class will focus on aspects of causation and rehabilitation of rape crime as well as the proper collection, preservation and analysis of evidence in rape crimes.

CMRJ206 Juvenile Delinquency (3 hours)

This course will introduce students to the principles of juvenile delinquency. It will provide a historical overview of juvenile delinquency in America. The course will examine the psychological, social, and environmental theories of juvenile delinquency while also covering the juvenile court system and treatment options for delinquency.

CMRJ285 Rehabilitation, Reentry and Reintegration (3 hours)

This course will provide an overview of rehabilitation, reentry, and reintegration through examining the most current research. Students will explore the corrections topics such as reentry, drug treatment, probation and parole, and community corrections.

CMRJ295 Criminal Justice Sophomore Seminar (3 hours)

This course is the final course needed for the completion of the Associate of Arts in Criminal Justice degree. The course is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic project or paper that demonstrates his or her grasp of the criminal justice field. This is a culminating course to be taken after all other Associate of Arts in Criminal Justice courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. [Prerequisite: This course is to be taken as the LAST course in the AA in Criminal Justice program.]

CMRJ300 Research Methods of Criminal Justice & Security (3 hours)

This course will examine research methodology and the application of research to the criminal justice system. The course will focus on the methods commonly utilized in social science research such as qualitative, quantitative and mix methodology. Additionally the course will examine the application of theory, inquiry structure, ethical concerns, and data interpretation in the research process. Students will also evaluate peer reviewed research articles and discuss their applicability to criminal justice and security management issues. Students shall also be introduced to the American Psychological Association (APA) 6th edition style of writing in regards to basic research paper formatting.

CMRJ302 U.S. Law Enforcement (3 hours)

This course is an evaluation of the breadth and complexity of contemporary police administration from a systems perspective, a traditional structural perspective, a human behavioral perspective, and a strategic management perspective. Students will apply terms and ideas in the study of policing; and be able to demonstrate and assess the historical development of law enforcement at local, state and federal levels. Additionally they will be able to critically analyze contemporary problems and trends facing law enforcement agencies including their functions, operations and management styles. Managerial theories and practices in organizations will be examined and assessed as to their application in law enforcement organizations.

CMRJ303 Criminology (3 hours)

This course examines criminal behavior in relationship to various criminological theories and analyses these theories through a historical context. These theories include classical theories and current theories of crime as they relate to criminal involvement. Additionally this course will analyze society's response to criminal behavior through the assessment of legal approaches and the various aspects of the criminal justice system. Additionally types of criminal behavior and the systems reaction to these crimes will be distinguished. Research affecting social policy and public crime concerns are examined including social problems and social responsibility perspectives as well.

CMRJ306 Criminal Investigation (3 hours)

This course is an analytical examination of crime detection and solution, including such topics as crime scene procedures, physical evidence, interviews, field notes and reporting, follow-up investigation, interrogation, and rules of evidence. Specific detail is given to investigations involving homicide, sex-related offenses, and crimes against children, robbery, larceny, vehicle thefts, computer crime, environmental crime, arson, and drug abuse. There is an in depth analysis of investigation methodologies addressing inductive and deductive reasoning to assess the decision making process to solve crimes.

CMRJ308 Ethics in Criminal Justice (3 hours)

This course concentrates on the major functions, structures and processes that underline ethical issues within the American Criminal Justice System. This course will explore the structure and nature of the various types of ethical debates within the American judicial system. There will be an assessment of the ethics in criminal justice, as it explores the issues of morality, virtue, honesty, and making ethical decisions in the United States criminal justice system. Assessments of various issues will be examined as they relate to decision making and ethics.

CMRJ310 Drug Dynamics in Criminal Justice (3 hours)

This course is an in-depth study of the epidemic of drug abuse and its association with crime. The course encompasses all aspects of both legal and illegal drug abuse, pharmacology, gang activity, youth, violence and behavioral pathology. This course will also provide an examination of public policy issues associated with resolving the national drug control issue, drug trafficking, legalization, and the law enforcement response. Students will have the opportunity to discuss contemporary drug related issues of the day related to enforcement, medical treatment, harm reduction or educational responses.

CMRJ314 Contemporary Criminal Justice Issues (3 hours)

This course will examine a broad range of contemporary criminal justice issues. Including but not limited to sentencing issues, gun control, profiling and search and seizure laws. Students will be required to research current criminal justice issues from journals and news articles in order to exchange analytical observations while employing concepts and methodologies covered in this course.

CMRJ316 Corrections and Incarceration (3 hours)

A comprehensive study of the context, practices, and special interests of corrections. Topics include the early history and current

trends of correctional thought and practice, jails and other short-term facilities, intermediate sanctions, the prison experience, women in prison, institutional management, educational/treatment programs, prisoners' rights, and race/ethnicity challenges.

CMRJ317 Probation and Parole (3 hours)

An examination of the theory and practice of probation and parole, including pre-sentence investigation, supervision of probationers, parole administration and services, treatment theory, parole officers, juvenile services, and new concepts (such as community-based corrections, the justice model, and determinate sentencing) that have impacted traditional probation and parole theory.

CMRJ320 Law Enforcement Intelligence Applications (3 hours)

The course will prepare students to use intelligence methodologies and templates to assist in case support or investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information to maximize resources. The course will examine the current use of intelligence in law enforcement (federal, state, and local) and its applications in support of investigations and operational planning. The methods examined in this course will be applicable in the private sector.

CMRJ322 Crime and the Family (3 hours)

This course assesses the problems associated with domestic violence and also explores into the social, economic, political, and cultural stereotypes of causation. There will be an examination of the relationship between family life and anti-social behavior. A review of various theories as well as research regarding the effect of family structure, marital conflict, parental anti-social behavior, and parent's child rearing practices on a child's risk for conduct problems and delinquency are assessed. Adult anti-social behavior is also explored in terms of showing how various family socialization processes and childhood behavior problems influence probability of later adult crime. Students will also evaluate the aspects of gender, race, ethnicity and socioeconomic status of victims of family abuse and their perpetrators.

CMRJ324 The History of Organized Crime (3 hours)

This course will provide an examination of the evolution of organized crime in the United States, with a focus on the social and legal factors that contributed to its development and the groups involved. Additionally this class will explore how organized crime is structured and how it can be exposed and controlled. Theoretical explanations of organized crime are also covered.

CMRJ327 Gang Theory, Practice, & Suppression (3 hours)

This course covers issues in relation to street gangs and their general impact on the criminal justice system. This course will focus on explaining gang practices, methods of communication, structure, and enforcement techniques as well as the history of gangs in the United States. Finally, the course will help the learner by explaining basic ways to deal with and suppress gang violence in the United States and elsewhere.

CMRJ329 Criminal Profiling (3 hours)

This course explores criminal behavior, its motivation, and the environmental influences and patterns of offending. Other topics examined are the approaches to profiling and how these investigative techniques are applied to helping solve crimes. This course will address aspects of behavior, taking into consideration the definition of criminal profiling as the inference of offender traits from physical and/or behavioral evidence. Evaluations will be made of the history, theories, and investigative techniques regarding profiling crime offenders, using a unique blend of both social science, as well as psychological and legal research. It includes legal case excerpts to demonstrate the role of the profiler (investigator). This provides the student a solid knowledge foundation of the integral relationship between the profiling techniques and theories of criminal behavior and the court system. It is recommended students take either CMRJ101 or CMRJ306 prior to enrolling in this course.

CMRJ330 DNA in the Criminal Justice System (3 hours)

This course will provide an historical overview of the concepts and theories associated with forensic analysis of DNA for the purpose of criminal investigations. Ethical issues involved in the use of DNA as criminal and civil evidence will be discussed as well as the protocol and procedures used by state and federal crime laboratories. Students will examine several forensic criminal case studies to evaluate the pros and cons of using DNA analysis as a tool to solve crimes.

CMRJ331 Fingerprint Analysis (3 hours)

This course will explore the historical development of fingerprint analysis as well as discuss the future technologies being developed to enhance fingerprint evidence in the American criminal justice system. The class will use several case studies of real crimes in which fingerprint analysis made a major impact on these crimes and the system.

CMRJ332 Bloodspatter Pattern Analysis (3 hours)

This course will provide the student with a basic understanding Bloodstain Pattern Analysis and its use in criminal investigations. Students will learn how to identify bloodstains using the Bloodstain Classification Taxonomy and the importance of the scientific method in bloodstain pattern analysis. This course will discuss proper documentation and collection methods of bloodstains and the legal standards that support bloodstain evidence as well as courtroom presentation. Students will examine several bloodstain patterns from crime scenes and determine the type of stain and their relevance to the criminal case.

CMRJ333 Firearms Forensics Investigation (3 hours)

This course will explore the theories and practices used in Firearms Forensics identification and investigations. Students will learn about the different types of firearms, ammunition and the basic principles of ballistics. Topics explored will be the historical development and future of firearms forensics and how this science helps law enforcement officers identify weapons used to commit crimes. Students will conduct case studies on real criminal cases in which firearms forensics science played a major role in helping solve the crime.

CMRJ334 Voice Stress Analysis (3 hours)

This is a fundamental course to provide the student with a basic understanding of the concepts and scientific methodology involved in the use of Polygraph, Voice Stress and related instruments for the Detection of Deception. Verbal and non-verbal reactions will be analyzed and various types of testing methods will be evaluated. Daubert challenges as well as other legal arguments for and against the use of Voice Stress Analysis will be openly discussed and the future of these forensic test methods assessed.

CMRJ335 Crime Analysis (3 hours)

This course will examine contemporary practices for analysis and measurement of crime including the use of geographical information systems (GIS) to map various aspects of crime. Modern crime analysis focuses on reducing crime and improving police efficiency by illustrating the impact of crime on the community and community impact on crime through the use of the SARA (scanning, analysis, response, & assessment) problem-solving model. Crime analysis facilitates informed decision making on criminal activity and prevention, thereby being instrumental in helping society learn the linkages between crime and other factors such as poverty or drug abuse. Additionally there is a review of the crime analysis function within the law enforcement organization and a demonstration of how to develop, implement, and operate a crime analysis unit.

CMRJ341 Criminalistics (3 hours)

The purpose of this course is to educate students regarding the everyday operations of state and federal crime laboratories and the forensic services provided by these organizations. The course is scientifically oriented and will concentrate on the significance of forensic evidence and various testing procedures and instrumentation used to analyze biological, chemical, pattern, and trace items of evidence. Another focus will be the proper recognition, collection and preservation of physical evidence obtained from systematic searches of crime scenes.

CMRJ345 Organizational Behavior in Law Enforcement (3 hours)

This course is designed to prepare students to become effective law enforcement administrators. The course examines the evolution of public safety organizations, modern American leaders in law enforcement, and the impact that various forces have had on the evolution and development of behavioral organization within law enforcement. Issues like management and administration issues are analyzed in terms of organizational behavior. Additional focus is on police culture and behavior, and effective communication within subcultures that exist within police departments.

CMRJ346 Conflict Resolution Within Police Departments (3 hours)

The art of managing police officers is a challenge for administrators. Issue that impact officer moral, such as efforts to decentralize a police department, changes within the community, and potential funding issues contribute to increasing stress and

conflict within a police department. Today's police administrators need to be well training in dealing with interoffice conflicts as they arise. This course will provide an overview as to how administrators can resolve conflicts within police departments.

CMRJ400 Crime and the Media (3 hours)

This upper level, undergraduate course focuses on the effect of the media on law enforcement, crime, and violence. Various theories such as strain and behaviorism and their impact will be analyzed vis-a-vis late modernity and post modernism society. Emphasis is given to the negative effects phenomenon, media construction of crime news, portrayal of law enforcement, and the "surveillance culture," as well as the impact of the internet on deviance. It provides students with an overview of problems affecting law enforcement, crime, and the public in general in assimilating and understanding information from various media outlets. Important topics such as the media's impact on moral panics, and portrayal of female offenders will also be explored.

CMRJ401 Human Trafficking (3 hours)

Human Trafficking is an upper level undergraduate course designed to help students gain a better understanding of contemporary human trafficking and modern day slavery. In this course students will assess the different legal frameworks used to combat human trafficking around the world and analyze the different discourses used to discuss the trafficking phenomena. Students will learn important terminology in this field, the different types of human trafficking that exist and an understanding of the scope of the problem, both domestically and globally. In addition, the course will explore the physical, emotional, psychological, and spiritual trauma experienced by victims of human trafficking and the methods used to recruit and control them. The roles entities such as government, the criminal justice system, the media, faith-based organizations, organized crime, and culture play in this complex human rights and social justice issue.

CMRJ402 The Pathology of Death Investigations (3 hours)

This course will examine contemporary practices for investigating sudden, unexpected and violent death. Two major topics will be explored: the first focusing on the manner of death (the social circumstances under which the death occurs), the second focusing on the cause of death (the particular material actions which result in death).The following types of deaths will be considered: asphyxial, blunt and sharp force, firearms, natural causes, mass disaster, child abuse, sudden infant death syndrome (SIDS) and suicide. Estimating the postmortem interval and identification of human remains will also be considered. It is recommended that students take CMRJ306 before enrolling in this course.

CMRJ490 Independent Study: Criminal Justice (3 hours)

An opportunity for Criminal Justice students to pursue an independent research project or examine a specific area of Criminal Justice under the mentorship of a single professor. Participation is at the discretion of the faculty member. This course will require a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

CMRJ498 Forensic Law Enforcement Capstone (4 hours)

This course is designed to be the final class taken in the B.S. in Criminal Justice with a concentration in Forensics program. The class will be a 16 week course during which students will be required to complete work which will demonstrate a mastery of their program. It is designed to be a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Topics covered during this senior seminar will allow students to review, analyze, and integrate the work the student has completed towards their degree. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. SENIOR standing is required.

CMRJ499 Senior Seminar in Criminal Justice (3 hours)

This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of

mastery of the stated outcomes of their degree requirements. Student must have SENIOR standing to register

Undergraduate Course Descriptions

Education

EDUC111 Observation Techniques (3 hours)

This course examines formal and informal methods of gathering and analyzing data on children. The emphasis is on understanding developmental patterns and implications for diagnostic assessment and intervention.

EDUC320 Classroom Management (3 hours)

This course provides candidates, or course participants, with the knowledge and skills necessary to establish a classroom learning community in which they can organize and conduct effective instruction that challenges and involves learners. Successful classrooms exist because instructors have clear ideas about the most effective classroom conditions necessary for a healthy and intellectually stimulating learning environment. Course content will focus on the differences between teacher-centered and student-centered activities, considerations for adult learners, and addressing the needs of online, face-to-face, and hybrid learning contexts.

EDUC340 Adult Learning Theory (3 hours)

This course provides students with a foundation and perspective on the nature of adult learning, particularly adult learning across the human life cycle. Students will examine the ideas of learning theorists and practitioners from the fields of education and address the relationship between theories of adult learning and teaching methods in applied settings. Students also address learning methods used by adults in everyday life and the incorporation of such natural methods into a concept of “lifelong learning” for adults.

EDUC401 Curriculum Design (3 hours)

This course focuses on the knowledge and skills necessary for the effective development of curriculum materials and the organization and implementation of those materials as a learning program with students. Students will address the leading theories and concepts of contemporary curriculum design as advocated by its leading scholars and practitioners.

EDUC402 Measurement and Evaluation (3 hours)

This course is a study of the theory, concepts, and practices of learning measurement and evaluation in instructional settings. Course topics include reliability theory, test and evaluation development, validation, and assessment.

Undergraduate Course Descriptions

Emergency Management

EDMG101 Introduction to Emergency Management (3 hours)

This is designed to introduce students to the concepts of emergency management. Students will gain a general understanding of the threats faced by communities. Students will explore the role of emergency management as well as the activities taken during the various phases of emergency management; mitigation, preparedness, response, and recovery. Topics covered in this class include the history and development of emergency management, Hazard identification and risk analysis, mitigation, Communications, International Disaster management and the future of emergency management.

EDMG220 Emergency Planning (3 hours)

Effective emergency planning is the key to surviving natural and man-made disasters. Risk analysis and the formulation of a comprehensive plan, followed by a vigorous and continuing testing program, are essential elements to surviving an emergency. Topics covered include threat assessment, risk analysis, formulating the plan, staffing the emergency operations center (EOC), coordinating with supporting agencies, the importance of continuing liaison, managing an actual incident, and conducting an effective follow-up analysis. Various actual case studies are discussed.

EDMG230 Emergency and Disaster Incident Command (3 hours)

This course is a study of the theory and practice of incident command, the various methods of incident command, and specific focus on the Incident Command System (ICS) used in crises, disasters, and emergency management response systems. The roles and responsibilities of the ICS system are identified. The different agencies and incidents in which the ICS system is used are discussed. Cases are studied in order to assist students in understanding the management and leadership complexity associated with modern emergencies and disasters. The student will complete a final paper that consists of a mock disaster, which encompasses the knowledge they have acquired during the course.

EDMG240 Chemistry of Hazardous Materials (3 hours)

This course gives the student an in-depth study of the chemistry of hazardous materials as emergency management personnel must deal with these types of materials. The course covers a great amount of material on the chemistry and physical properties of common materials that an emergency responder will commonly find in the course of responding to emergencies. It is important for emergency responders to have this knowledge for the safety of them and others. This course presents the chemical basis for classification of, and emergency response to incidents involving, hazardous materials. It is designed for the non-chemist emergency responder, transporters and others who need to understand the implications of single product and multiple product spills, releases and incidents.

EDMG259 Hazard Mitigation and Preparedness (3 hours)

This course will provide the student with an overview of societies need for planning for hazardous situations. Every community faces the potential of hazards, both natural and manmade. Only when people are injured and property is damaged by a hazard does a disaster occur. Due to patterns of population growth and development in the United States, disasters now occur more frequently than ever before. Mitigation and preparedness strategies are critical ways of making a community more resilient against the impacts of hazards.

EDMG320 Natural Disaster Management (3 hours)

This course covers the basic principles of natural disaster management in the United States. This course highlights several hazard types as topical investigations, as well as the processes and considerations of management options for preparedness, response, recovery, and mitigation. This will include but not be limited to understanding basic natural hazard mechanisms, the range of physical and human impacts, linkages to demographic and environmental transitions, and both structural and non-structural mitigation techniques. All management techniques are framed within existing U.S. Federal guidelines, however management techniques covered in this course may be applied widely. The course covers issues of organization, operations, training, and other issues associated with the management of natural disasters.

EDMG321 Social Media Application to Emergency and Disaster Management (3 hours)

This course explores social media and other forms of communication and their value, and limitations in today's environment, and cross-functional employment in support of emergency management, homeland security and public health emergency operations. In addition, this course evaluates the contributions of the internet and social media within a larger media/public relations context, as a stand-alone mass notification/information sharing platform, and as part of a communications strategy for disaster response.

EDMG330 Managerial Issues in Hazardous Materials (3 hours)

This course covers managerial issues in hazardous materials. The impact hazardous materials have on humans, wildlife, and the environment will be covered. The major laws that are applicable to hazardous materials at the Federal, State, and local levels will be discussed. The student will learn about writing an effective contingency plan and the importance of coordination and collaboration across multiple agencies when dealing with a hazardous material response. This course examines all facets of hazardous materials including regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

EDMG340 Consequence Management (3 hours)

This course addresses the potential results from nuclear, biological, and chemical incidents or uses. Topics include public health consequences of such incidents, emergency planning and response measures in place among U.S. agencies, and emerging detection and management technologies. Existing vulnerabilities to these types of incidents and attacks will also be discussed. Objectives of the course include identification of the historical development and use of chemical and biological weapons; definition of the types of chemical and biological weapons and their impacts; analysis of case studies related to the development and use of chemical and biological weapons, and research on chemical and biological warfare.

EDMG420 Risk Communications (3 hours)

This course examines media management during local/national disasters and/or events. It will also address the media and all levels of governmental response. The focus will be on actual operations and on-site issues. This course provides the student an arsenal of useable tools and techniques that are universally prescriptive and can be implemented in nearly every risk-associated situation, from public health to accidents to terrorist attacks and even to challenges to corporate reputation management. Students who complete this course will be prepared to make the best possible decisions during a crisis emergency about the effected population's wellbeing, and communicate those decisions, within nearly impossible time constraints, and ultimately, to accept the imperfect nature of choices as the situation evolves.

EDMG498 Senior Seminar in Emergency & Disaster Mgmt. (3 hours)

This senior capstone course allows students majoring in emergency and disaster management to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Emergency & Disaster Management courses have been satisfactorily completed. Student must have SENIOR standing to register.

EDMG499 Independent Study in Emergency and Disaster Mgmt (3 hours)

This course gives students an opportunity to pursue an independent research project or examine a specific area of study under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member and must be approved by the Program Director or Dean. The course will typically involve a major research paper (20-30 pages). Students will submit a proposal prior to the start of the course. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

EXOD299 Sophomore Seminar in Explosive Ordnance Disposal (3 hours)

This course is a culminating course for the Associate of Science in Explosive Ordnance Disposal degree. It is designed to allow the

student to review, analyze and integrate the work the student has completed toward a degree in Explosive Ordnance Disposal. The student will complete an approved academic project or paper that demonstrates his or her grasp of the explosive ordnance disposal field. This is a culminating course to be taken after all other Associate of Science in Explosive Ordnance Disposal courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in the Explosive Ordnance Disposal Program.

FSMT102 Fire Behavior and Combustion (3 hours)

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled. The student can expect to identify physical properties of the three states of matter; categorize the components of fire; recall the physical and chemical properties of fire; describe and apply the process of burning; define and use basic terms and concepts associated with the chemistry and dynamics of fire; discuss the various materials and their relationship to fires as fuel; demonstrate knowledge of the characteristics of water as a fire suppression agent; articulate other suppression agents and strategies; and compare other methods and techniques of fire extinguishments.

FSMT188 Fire Prevention (3 hours)

This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigations, and fire and life safety education. Students can expect to define the national fire problem and its main issues; recognize the need for fire prevention as part of the overall mix of fire protection; recognize the need for fire prevention organizations, review minimum professional qualifications at state and national levels for fire inspectors, investigators, and public educators; define the elements of a plan review program; identify the laws, rules, codes, and other regulations regarding fire prevention; and discuss training, media, and public education programs for fire prevention.

FSMT201 Fire Protection Systems (3 hours)

This course addresses the study of suppression systems and their critical components as well as their application to selected fire protection problems. It will cover the duties, responsibilities and ethical aspects of the Fire Protection Engineer with focus on contract drawings and their relationship to contract specifications, and an actual survey of a large building. It will include the philosophy, history and fundamentals of public and private fire protection, and relations with other disciplines including architecture and the building industry, and will extend to the application of hydraulic theory to a range of design considerations.

FSMT210 Fundamentals of Fire Protection (3 hours)

This course is an overview of fire protection and its related fields. It also covers the philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, and introduction to fire strategy and tactics. Students can expect to describe and discuss components of the history and philosophy of the modern fire service; analyze the basic components of fire as a chemical reaction, examine the major fire phases, and examine the main factors that influence fire spread and behavior; list and describe major emergency response services and illustrate how they interrelate; synthesize roles of national, state, and local support organizations in fire and emergency services; describe the scope of fire and emergency services organization; describe the common fire facilities, equipment, and apparatus; analyze management concepts for emergency situations; and explain fire prevention including code enforcement, public information, and public and private fire protection systems.

FSMT287 Fire Protection in Building Construction (3 hours)

This course is a study in building construction components that relate to fire and life safety, to include a major focus on fire fighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating in emergencies. The student can expect to demonstrate an understanding of building construction as it relates to firefighter safety, building codes, fire prevention, code inspection, and firefighting strategy and tactics; classify major types of building construction; analyze the hazards and tactical considerations associated with the various types of building construction; explain the different loads and stresses that are placed on a building and their interrelationships; identify the principle structural components of buildings and demonstrate an understanding of each function; differentiate between fire

resistance and flame spread, and describe the testing procedures used to establish ratings for each; classify occupancy designations of the building code; and identify the indicators of potential structural failure as they relate to firefighting safety.

FSMT289 Fire Protection Hydraulics and Water Supply (3 hours)

This course is a theoretical study to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and solve water supply problems. The student can expect to apply the application of math and physics to the movement of water in fire suppression activities; comprehend the design principles of fire service pumping apparatus; analyze the community fire flow demand criteria; and demonstrate understanding of hydraulics, water characteristics, fluid pressure, hydrokinetics, Bernoulli's formula, nozzle reaction, friction loss in water conductors, nozzle pressure equation, water distribution systems, Hazen-Williams equation, fire flow tests, determination of required fire flow, fire service pump design and testing, friction loss calculations, engine and nozzle pressure, Underwriter's formula, parallel lines, Wyed lines, aerial stream calculations, relay pumping, mobile water supply, fire streams, four hydraulic laws of friction loss, and fire fighting foams and foam systems.

FSMT299 Sophomore Seminar in Fire Science (3 hours)

This course is a culminating course for the Associate of Science in Fire Science degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Fire Science. The student will complete an approved academic project or paper that demonstrates his or her grasp of the fire science field. This is a culminating course to be taken after all other Associate of Science in Fire Science courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in the Fire Science Program.

FSMT311 Fire Dynamics (3 hours)

This course focuses on fire behavior and includes topics such as fire chemistry, science, interaction with the environment, and reaction to chemical and/or natural elements involved in a response. The student will be able to understand the fundamental principles related to structural fire protection, building furnishings, and fire protection systems. physical properties of the three states of matter. The components and dynamics of fire, the process of burning, suppression agents and strategies, and the methods and techniques of fire extinguishment will be covered in the course.

FSMT320 Fire Protection Structure and System Design (3 hours)

This course examines design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, alarm systems, sprinkler innovations, evaluation of sprinkler system designs, and specialized suppression systems. Advanced fire suppression systems must be properly designed and the occupants must be properly trained to react in concert with the life safety systems and the fire department. Knowing how the different design systems function and how they protect a space or process aids in the interaction with owners, engineers, architects and contractors. The importance of a good relationship between the authority having jurisdiction and those charged with the enforcement of the code is considered.

FSMT321 Community Fire Mitigation and Protection (3 hours)

This course is a study of the leading theory and practice associated with community fire mitigation, planning, protection, response, and recovery. Topics of the course include fire-community relations, community outreach, volunteerism and fire protection, strategic community planning, inter-organizational responses, and other issues. Concepts in Code enforcement, investigations, and the historical, social, and cultural influences on fire prevention are discussed. The students will look at the economic, and governmental and departmental influences on fire prevention. Fire prevention programs will be evaluated and prepared.

FSMT340 Incendiary Fire Analysis and Investigation (3 hours)

This course is designed to meet the levels of mastery established by the National Fire Academy, NFPA 1021 and NFPA 1033. These standards are agreed upon by professionals across the fire service community as the foundational benchmarks that all individuals should know at the completion of this course. This course examines technical, investigative, legal, and managerial approaches to the arson problem, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, gang-related arson, legal considerations and trial preparations, managing the fire investigation unit, intervention and mitigation

strategies, and shaping the future.

FSMT362 Fire Administration and Finance (3 hours)

This course examines the relationship of fire administration and the role of executive fire administrators in the administration of complex issues in a dynamic environment. The course covers political, legal, financial, and ethical issues faced by fire administrators within the context of public administration. Topics include examination of the effects, influences, challenges, and opportunities of public and private fire functions and roles.

FSMT405 Fire Safety and Risk Regulation (3 hours)

This course establishes the foundation of history, knowledge, and processes to assist the Risk Manager or Fire Department Safety Officer achieve his or her goal in preventing firefighter injury and death. The Safety Officer is a position mandated in Hazmat and Terrorism/Homeland Defense responses and it is a good idea for all responses to keep the safety of responders in first place as well as the community. The course includes a study of the leading theories and practices associated with risk management and emergency scene safety. This course focuses on citizen and responder fire safety and risk reduction through prevention, response, and recovery phases of fire operations. Topics include risk reduction planning, equipment, communications, and procedure, among others.

FSMT410 Fire Regulation, Policy, and Law (3 hours)

This course introduces the student to many areas of fire laws and regulations. The main purpose of this course is to introduce you to the laws and regulations that will impact your work. This course enables the student to acquire a basic knowledge of the law in each of the specified subject areas that directly or indirectly affect fire services by providing a basic knowledge of the methodology through which to locate, read and comprehend the various statutes and regulations surrounding fires. This course focuses on public policy, law, and regulation concerning fire mitigation, response, and recovery. Legal issues and risk are addressed as topics in the course, as are general and specific national, state, and local fire regulations and public law.

FSMT475 Applications of Fire Research (3 hours)

This course focuses on the rationale for conducting fire research, various fire protection research activities, and research applications, including fire test standards and codes structural fire safety, automatic detection and suppression, life safety, and fire fighter health and safety. This course examines tools and techniques of rational decision making in fire departments, including databases, statistics, probability, decision analysis, utility modeling, resource allocation, cost-benefit analysis, and linear programming. This course involves selecting a fire-related topic, developing research objectives, a proposal, and a plan using a quantitative or qualitative research design for the completion of a final research paper.

FSMT498 Senior Seminar in Fire Science (3 hours)

THIS COURSE WILL REQUIRE A PROCTORED EXAM. This senior capstone course allows students majoring in fire science to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Fire Science courses have been satisfactorily completed. Student must have SENIOR standing to register.

HLSS211 Emergency Response to Terrorism (3 hours)

This course is designed to provide students with an understanding of terrorism in the world today. The course examines the history of international and domestic terrorist groups, both state and non-state actors. The course covers the legal aspects of terrorism and Weapons of Mass Destruction (WMD), the composition of WMD that threatens the world including chemical weapons, industrial chemical materials, biological agents, radiological and nuclear materials as well as explosives and explosive devices. The course also addresses the impact of the complexities of terrorism and Chemical Biologic Radiological and Nuclear (CBRN) Weapons on the emergency response community. The course will look at the pre-planning, mitigation, response, and recovery stages. The class will examine the actions necessary to bring the event to termination including: protecting the population and emergency responder, the roles of federal regulations to secure that protection; how the event is treated as a crime and the actions necessary to secure evidence and protect the environment.

Undergraduate Course Descriptions

Engineering

ELEN300 Electrical Engineering Fundamentals (4 hours)

The purpose of this course is to present the foundational areas of electrical engineering. The topics touched on in this course will help students determine their area of concentration at APUS. The topics included with varying degrees of emphasis include: Circuit Analysis; Electromagnetic Field Theory; Solid-state electronics; Electric machines; Electric power systems; Digital logic circuits; Computer systems; Electro-optics; Instrumentation systems; Control Systems. Prerequisites: SCIN234 and MATH240

ELEN303 Measurements and Instrumentation (3 hours)

This course will present important measurement techniques and instruments used in electrical engineering. The course provides an overview of the modern International System of Units (SI), including important units outside the SI standard. The course continues by introducing measurement errors, measurement uncertainty, and instrumentation limits on errors. The course introduces measurement elements such as resistors, capacitors, inductors, and laboratory voltage sources, and analog measuring instruments. The course describes compensation measurement methods and introduces AC and DC calibration techniques. Additionally, the course demonstrates the uses and testing methods of instrument transformers, operational amplifiers (op-amps), and oscilloscopes. The course describes the construction of the digital voltmeter and provides an overview of analog to digital converters. Finally, the course describes various measurement systems including the most popular sensors, signal conditioning, computer algorithms, and data acquisition hardware. Prerequisites: SCIN234 and MATH240

ELEN305 Electrical Circuit Analysis (4 hours)

This course presents circuit elements and defines them in terms of their circuit equations. These equations utilize the fundamental laws of circuit analysis. This course will introduce Ohm's law, Kirchhoff's law, and Thevenin and Norton equivalent circuits, and superposition. This includes the introduction of series and parallel circuits, DC/AC circuit's analysis, and power analysis of DC and AC circuits. An introduction to time domain and frequency analysis will be provided. Prerequisites: ELEN300 and ELEN303

ELEN306 Analog Circuit Theory (4 hours)

This course presents basic elements in analog circuit design. Initially operational amplifiers will be discussed, including design and implementation of practical amplifier and feedback circuits. Other analog elements such as diodes and transistors will be introduced combined with previously discussed passive components to design DC power supplies, audio amplifiers, active filters and oscillators along with other applications. Students will gain a fundamental understanding of the key analog circuit components and the basic skills to create and implement practical designs. Prerequisites: ELEN305

ELEN307 Digital Circuit Theory (4 hours)

This course presents digital and logic circuit analysis and design. The course covers six main parts: Boolean algebra and Boolean function simplification; basic logic gates, combinational functional blocks, and combinational circuit design using gates and functional blocks; digital circuit description by VHDL language; basic flip-flops, sequential circuit analysis and design; registers, static and dynamic memories, ROM and RAM, programmable logic devices, and field programmable gate arrays (FPGA's); and register transfer language, basic computer structure, operation and design. Students will be introduced to the concepts of digital circuit theory and design, will practice with circuit analysis software, will gain solid skills to analyze and design digital circuits for various applications, and will get familiar with the structure and operation of a digital processor. Prerequisites: ELEN305

ELEN310 Continuous and Discrete Signals and Systems (4 hours)

This course is presents signal and system description and characterization in the time and frequency domains for linear time-invariant (LTIV) systems. Time domain topics include differential and difference equations; convolution; and Fourier Series. Frequency domain material will incorporate Fourier transforms; Laplace transforms; z-transforms; and system description via transfer functions. The sampling theorem will be addressed. State-space representation of LTIV systems in either the time or frequency domains will be introduced. The course will show students how to characterize and analyze systems in either time or frequency and transform between domains. Students will be shown how to determine and apply a correct technique to either analyze an existing system or design a system to meet specifications. Prerequisites: ELEN300, MATH210, AND MATH240

ELEN312 Energy Conversion Processes and Systems (3 hours)

This course presents concepts related to energy conversion and transport and provides the foundation for understanding power generation and distribution. Energy conversion in electrical, electromagnetic, electromechanical and electrochemical systems will be discussed. Different forms of power generation, both AC and DC, will be covered along with single-phase and three-phase power, transmission lines, and transformers. The course will also cover AC and DC motors, motor control, power measurement, switches and rectifiers. An introduction to power electronics will also be presented, demonstrating the circuits used to interface both traditional and emerging alternative energy sources to the existing distribution system and homes. The course will center on a practical understanding of individual components and applying this knowledge to discussions of large and small scale energy systems. Students will gain the fundamental skill set to understand our electrical grid and power generation. Prerequisites: ELEN305

ELEN325 Field Theory (3 hours)

This course teaches the physics and applications of electromagnetic field theory as encapsulated in the vector form of Maxwell's equations. The class will show how these laws govern the design and bound the performance of electronic devices, circuits, and systems. This course covers the following topics from field theory to include magnetic materials and forces, inductance, Coulomb's law, Gauss's Law, energy, divergence, electrical potential, conductors, dielectrics materials, capacitance, Ampere's Law, boundary value problems, Biot-Savart Law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. As part of the course, students will develop Maxwell's Equations from electric and magnetic field experimental laws. This course will also cover wave propagation in free space and in transmission lines and characteristics of radiating structures such as antennas. Prerequisites: MATH240

ELEN416 Control Systems Theory and Design (3 hours)

This course covers the basic principles of frequency- and time-domain design techniques. Classical methods covered include Laplace transforms and transfer functions; root locus design; Routh-Hurwitz stability analysis; frequency response methods including Bode, Nyquist, and Nichols; steady state error for standard test signals; second order system approximations; and phase and gain margin and bandwidth. In addition, the state variable method is investigated including full state feedback design, and limitations of state variable feedback. The student will learn to use computers in the analysis and design of control systems. Prerequisites: ELEN310

ELEN420 Communication Systems (3 hours)

The course covers statistical communication theory including amplitude, frequency, and pulse code modulation; description of random process by auto-correlation and power spectral density functions, sources and properties of electrical noise and its effect on communication systems, the effects of modulation, detection and filtering on signal information content, and bandwidth and signal-to-noise ratio. Topics include: a review of signals and systems, power spectral density, amplitude modulation, angle modulation, pulse modulation, a review of probability and random variables, and an introduction to digital transmission systems. Prerequisites: ELEN325 AND MATH302

ELEN421 RF/Microwave Engineering I (3 hours)

This course covers the fundamental concepts of passive microwave circuit analysis and design. Topics include electromagnetic theory, propagation of electromagnetic waves in various transmission media, microwave network analysis, the Smith Chart, impedance matching & tuning, resonators, power dividers, directional couplers, and microwave filters. At the end of this course, you will have an understanding of the key concepts and components associated with passive microwave circuits. Prerequisites: ELEN310 and ELEN420

ELEN422 RF/Microwave Engineering II (4 hours)

This course expands upon the knowledge gained in ELEN410 RF/Microwave Engineering I. It introduces active microwave components and the cascading of components to form microwave circuits, sub-systems, and systems. Topics include amplifiers, mixers, receivers, frequency synthesizers, modulators, wireless systems and typical figures of merit such as gain, noise figure and third order intercept point. At the end of this course, you will have an understanding of the key concepts and basic theories associated with microwave circuits and systems. Prerequisites: ELEN421

ELEN423 Wireless Communications (4 hours)

The course presents fundamental principles underlying the wireless transmission and reception of information, and studies the different parts of a modern wireless communication system. Specifically, the course will touch upon different digital modulation schemes, as well as the design and performance analysis of a transmission and reception end. The concept of diversity and its impact on reception performance (probability of symbol detection error) will be discussed. Channel capacity and channel coding will also be studied. Further, techniques for adaptive modulation and channel equalization used in state-of-the art wireless systems will be presented. Communication using orthogonal frequency division multiplexing (OFDM), as well as spread spectrum techniques will also be covered. Topics in multi-user systems, random access, cellular systems and ad hoc networks will also be covered. The goal of this course is to help students to i) learn about different wireless communication technologies; ii) understand the basic components of a wireless communication system; iii) be able to design basic components in a wireless communication system; and iv) analyze its performance both analytically and numerically. Prerequisites: ELEN420 AND ELEN310

ELEN426 Antennas-Theory and Applications (3 hours)

This course is an in-depth coverage of the basic properties of antenna theory, analysis, and design. Topics covered include radiation patterns; antenna gain and directivity; antenna main lobe and side lobe levels and shaping; system losses; and antenna impedances. Different types of antennas including linear dipoles; horns; slot antennas; and linear and planar array antennas will be examined. Students will be introduced to numerical methods for analysis and modeling as well as the effects of RF frequency on antenna design. Prerequisites: ELEN420

ELEN427 Radar Systems Theory (4 hours)

This course is an in-depth coverage of the theory of radar and RF signal propagation, transmission, and reception. Topics covered include the radar range equation; antenna patterns; target cross section; system losses; calculation of signal-to-interference ratios; detection probability; target scintillation; main lobe and side lobe clutter; and moving target indicator (MTI) and pulse Doppler processing. Radar system hardware including transmitters, receivers, and antennas will be introduced and system block diagrams created. Classification of radar types into search, track, or mapping systems will be discussed. Prerequisites: ELEN420

ELEN430 Embedded Systems Design (3 hours)

The fundamentals of embedded system hardware and firmware design will be covered in this course. The main topics to be discussed are: embedded processor selection, hardware/firmware partitioning, glue logic, circuit design, circuit layout, circuit debugging, development tools, firmware architecture, firmware design, and firmware debugging. The Atmel AVR series microcontroller will be studied. The architecture and instruction set of the microcontroller will be discussed. A microcontroller development board will be utilized as a development and debugging platform. The course will culminate in a significant final project and will include interfacing real world peripherals to the microcontroller to perform some specific task. Depending on the interests of the students and professor, other relevant topics may be covered. Prerequisites: ENTD381 AND ENGR200

ELEN435 Introduction to Power Electronics (4 hours)

This course takes a student with a basic understanding of circuit analysis and introduces them to the functionality, topography, and regulation of power electronic devices. Students will become skilled in power computations based on load design, conversion of DC/DC, DC/AC, AC/DC, and AC/AC circuits, rectifiers, voltage controllers, power supplies, inverters, and operations of semiconductor devices, and basic switching circuits. Students will also delve into software tools with embedded power electronic equations to simulate and investigate the behavior of power electronic circuits under various load settings and heat sync scenarios. They will also utilize software to experiment and manipulate power electronic equations and observe voltage and current waveforms. Prerequisites: ELEN306 AND ELEN325

ELEN436 Advanced Power Electronics (4 hours)

This course takes a student with prior knowledge of electrical machines, power converters, and linear control systems and provides knowledge of advances in power electronics such as modeling DC motor drives and machines, various modes of operation, multi-phase control converters and choppers. Students will design multiple-order transfer functions, experiment with closed loop operation of DC motor drives, a speed controlled drive system, pulse-width modulation and steady state analysis. The skills gained in this course will enable students to perform various tasks related to high power semiconductor devices, digital signal processing, and efficient electrical energy. Motor drives have wide spread applications in today's industry such as machine

tools, elevators, cranes, transportation, and an extensive list of other modern applications. Prerequisite: ELEN435

ELEN440 Mechatronics (4 hours)

This course covers the foundational concepts in mechatronics. It introduces students to the required skills necessary to design a complete mechatronic system. Students will learn about the use and integration of sensors, actuators, microcontrollers, and various types of software required to interact with hardware. Students will gain a system-of-systems approach to designing a complete mechatronics system and how to structure and interface to electromechanical systems. They will also gain practical experience through laboratory exercises in design of graphical user interfaces and real-time operating systems needed to control mechatronic systems. Students will also design feedback control systems with time and task constraints. Prerequisites: ELEN312 AND ELEN416

ELEN498 Senior Seminar Design (3 hours)

This seminar is a senior-level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in electrical engineering. The student will design an approved project that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Prerequisite: Student must have Senior standing in our Engineering program and Program Director approval to register.

ELEN499 Senior Seminar Project (3 hours)

After completing the design of their approved project in ELEN498 - Senior Seminar Design, students will implement that design into a working prototype and write a senior thesis. The senior thesis will be completed and an oral defense presented. Selected senior papers will be retained in our library. The student is further encouraged to submit work to peer reviewed journals, conference proceedings, and/or senior design competitions. Prerequisite: ELEN498

ENGR200 Introduction to Engineering and Computing (3 hours)

This course provides an overview of the engineering profession and introduces the student to writing computer programs. The course provides information about different engineering disciplines and gives an overview of electrical engineering. The APUS electrical engineering concentrations are introduced and it describes what career opportunities are available in those concentrations. Additional Engineering subjects are presented including Engineering Ethics and Management. The class presents the principles of structured programming using the C++ language. The course is designed for engineering students without previous programming experience. Topics include: Introductions to computers, C++ programming, classes, objects, strings, control statements, recursion, functions, arrays, vectors, and pointers. Finally, an introductory engineering design problem will be presented which gives the students an opportunity to solve a problem.

ENGR300 Fundamentals of Mechanical Engineering (3 hours)

This course presents the fundamental mechanical principles of engineering required for any course of study in the engineering sciences. The student will be introduced to the principles and applications of statics, dynamics, thermodynamics and heat transfer. Students will study the interaction between mechanical and electrical systems and apply analogies between the two. Topics include: Technical problem solving and communication skills; Forces in Structures and Machines; Materials and Stresses; Fluids Engineering; Thermal and Energy Systems; Motion and Power Transmission. Finally, the course will present the essentials of the mechanical engineering profession and where it fits in the world of technology. Prerequisites: SCIN234 and MATH240

Undergraduate Course Descriptions

English

ENGL099 Principles of Composition (3 hours)

Principles of Composition is an introductory writing course that addresses sentence structure, paragraph organization, and essay cohesion, all while developing the student's writing style. Academic credit is awarded; however, this credit cannot be applied toward degree requirements.

ENGL100 The Processes & Principles of Composition (3 hours)

This course provides instruction and practice in the fundamentals of English grammar and usage in addition to the processes of writing: invention strategies, drafting, critical reading, researching, collaborating, sharing, revising, editing, and copy editing. In particular, this course provides extensive practice in narrative, descriptive, and expository writing, using supplementary readings as models of form and to generate subject matter for composition. This course does not fulfill the English General Education Requirements, but it can be used as elective credit.

ENGL101 Proficiency in Writing (3 hours)

This course provides instruction in the writing process with a focus on self-expressive and expository essays, and will include practice in the conventions of standard written English, responding to readings, and incorporating sources into essays with appropriate documentation.

ENGL102 Effectiveness in Writing (3 hours)

This course provides instruction in the writing process with a focus on persuasive and argumentative essays, and will include practice in developing a distinctive style, the methods of effective reasoning, library and on-line research. A formal research project is required. (Prerequisite: ENGL101).

ENGL120 Creative Writing (3 hours)

This course will give students the opportunity to study the elements of fictional writing. Students will experiment with a variety of forms, including poetry, fiction, and drama. (Prerequisite: ENGL101).

ENGL200 Composition and Literature (3 hours)

This course is designed to focus on critical reading and writing skills. It emphasizes reading and writing by enabling students to experience literature as one of many forms of language and offers effective ways of highlighting reading strategies in a number of different contexts. (Prerequisite: ENGL101).

ENGL220 Technical Writing (3 hours)

This course will focus on the kinds of communication typically found in the workplace, and will include the major concepts of technical writing: audience analysis, ethics, collaboration, graphics and design, concepts common to all types of technical communication. In this course, the student will prepare letters, memos, instructions, proposals, and written and oral reports. Because the Internet has become an important tool in the workplace, it will also cover the basics of using the Internet as a research tool. (Prerequisite: ENGL101).

ENGL221 Scientific Writing (3 hours)

Students will explore the unique structure, style, process, and documentation found in scientific writing. Through the use of a variety of scientific literary examples, students will apply the research and writing process most effective for objective scientific writing. In addition to interacting on a weekly basis, students will work collaboratively to complete a multi-faceted project. (Prerequisite: ENGL101)

ENGL225 Business Writing (3 hours)

This course teaches students how to communicate professionally in the business community. It emphasizes business language and style. Included in the course are exercises that instruct students how to write clear, well-structured, effective letters, bulletins, e-mails, instructions, memos, manuals, reports, and other business writing. (Prerequisite: ENGL101).

ENGL230 Introduction to Linguistics (3 hours)

This course presents modern linguistic theories and their application to literature and teaching of English. Included will be an examination of how various grammatical models represent the complexities of sound, sequence, and structure of language. Also included will be the topics of word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, grammar, and language planning in teaching English. (Prerequisite: ENGL101)

ENGL320 Freelance Writing (3 hours)

This course is designed to help students become knowledgeable and productive freelance writers. It will help them prepare written articles for publication in magazines and newspapers. Writing assignments will parallel the study of a current text and will result in submissions designed for publication and sale. (Prerequisite: ENGL101).

ENGL321 Screenwriting (3 hours)

This course is an introduction to screenwriting. Students will complete a fully developed screenplay by the end of the course. From logline to story arc to beat to la fin, students will advance their art of storytelling, practice weaving intricate, spellbinding plots, and evolve a personal genre style and concept for film projects. (Prerequisite: ENGL120)

ENGL322 The Personal Essay (3 hours)

This course will focus on the expression of personal experiences. Students will read personal essays and study the various forms. They will also learn how to be a compelling first-person narrator and use voice, setting, structure, theme, and style to craft their own personal essays. Prerequisite: ENGL120.

ENGL401 History of the English Language (3 hours)

This course will provide students with a foundation in the history and linguistics of the English language. The course will emphasize social, political, and other external historical events influencing language change, as well as the internal history of the language. Attention will be given to the various language systems (personal identity, phonetics, phonology, morphology, graphics, syntax, lexicon, language variation, historical linguistics, language and the brain, and semantics), as well as to the literature from the different historical periods. (Prerequisite: ENGL101).

ENGL420 Advanced Creative Writing (3 hours)

This course extends the writing approaches and practices encountered in ENGL120. Students will continue to explore ways to generate ideas for stories, but a more central focus will be on deepening existing writings and finding new challenges in familiar material. Students will also explore additional types of storytelling, such as prose poetry, flash fiction, screenwriting, and visual poetry. Students will explore their own “voice” and develop a writing process unique to themselves. (Prerequisite: ENGL120).

ENGL421 The Novella (3 hours)

This course teaches students the strategies necessary to write their own original novella. The class emphasizes the importance of the elements of narration, description, and dialogue, along with invention, drafting, and revision, to this process. Drafts are workshopped among peers throughout the term to promote the exchange of constructive critical thinking. (Prerequisite: ENGL120)

ENGL498 Senior Seminar in English (3 hours)

The culminating point of an undergraduate's career, this senior course offers students the rhetorical knowledge and research practices needed to write and to research successfully in any discourse community within which they might find themselves—as students, professionals, and citizens. While university students are projected to make several career changes within their working lifetimes, these transitions and the challenges of their complex personal and public lives will require critical thinking skills and informed flexibility. This course is designed to polish students' writing, analytical, and English skills so that they may confidently confront the challenges and demands of specialized research and written communication. According to their affinity, seniors are invited to pursue literary interests in the compositions of this course, and conduct research in other academic or professional areas. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other English courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Environmental Science

EVSP110 Introduction to Hazardous Waste Management (3 hours)

This course is an introduction to hazardous waste management. Its course topics include history of hazardous waste management in the United States; an overview of the hazardous waste industry in the United States; the major political, legal, managerial, and handling issues associated with hazardous waste; and the dangers and repercussions on individuals and society for poorly handled hazardous waste.

EVSP111 Hazardous Waste and Public Law (3 hours)

This course addresses the public laws and regulations associated with hazardous waste management. Course topics include major environmental laws that focus on hazardous waste, environmental auditing, and, industrial wastewater regulations, among others.

EVSP201 Environmental Economics (3 hours)

This course focuses on the design of environmental policy under uncertainty and asymmetric information. Topics include the theory of public goods, theory of renewable and non-renewable resources, externalities and common pool resources, the theory of pollution and pollution control, and trade-environment issues.

EVSP210 Hazardous Waste Treatment and Disposal (3 hours)

This course is a study of waste accumulation, storage and disposal options, pollution prevention, remediation and cleanup, underground storage tank management, and chemical life-cycle tracking. Some basic chemistry is covered as well as physical chemical treatment for neutralization, oxidation-reduction, metals removal, and hazardous materials destruction. Filtration, ion exchange, and reverse osmosis are discussed. Chemical feed systems, sludge handling, and dewatering are also presented.

EVSP220 Emergency Spill Response (3 hours)

This course is a study of the planning, preparation, response, and recovery from a hazardous materials spill in industrial or transportation settings. Course topics will include processes associated with materials identification, on-site responsibilities, reporting requirements, and safe return to normalcy.

EVSP310 Water Science (3 hours)

An overview course on water sources, uses, management and conservation; biological, economic, and health issues. The course will use chemical and engineering approaches to water and waste water treatment. It includes studies for assessing chemicals in water and waste water. Students will cover the application of standardized analytical methods for evaluating water quality.

EVSP311 Soil Science (3 hours)

A fundamental study of soil properties and reactions critical to the evaluation of how contaminants, as well as essential nutrients, behave in the soil environment. Interactions of potential pollutants with soils and the aquatic and atmospheric environments are emphasized. Methods of soil management or remediation to minimize pollution are presented.

EVSP312 Introduction to Sustainability (3 hours)

This course will introduce students to the principles of environmental sustainability. Students will explore various aspects of sustainability, including energy use, industrial processes, waste generation and disposal, and the built environment. As part of the focus on solutions, the course will introduce students to tools society can use to attain and implement sustainable practices, such as policy, law, education and communication, marketing, research advocacy, and international agreements and collaboration.

EVSP316 U.S. Federal Environmental Organization (3 hours)

This course is a study of the environmental organization at the federal level, to include duties and responsibilities of federal environmentally-focused agencies, non-environmental agencies and organizations that have environmental impact or related responsibilities, and other federal administrative issues focused on environmental bureaucracy, contracting, and/or outsourcing to

private organizations.

EVSP317 Environmental Enforcement (3 hours)

Nearly all environmental programs are predicated on getting permittees to take effective action to end non-compliance or non-permitted activities. This often happens voluntarily, but in some instances formal enforcement action must be taken by environmental agencies such as EPA or state agencies. This action may be civil or criminal, it may involve a fine, it may involve supplemental environmental projects, but it will always require the environmental problem be put right. This course will examine the entire enforcement process including the decision tree and options at each branch point. It will discuss the issues of standing, punishment versus deterrence, legal searches, and the rights of permittees and individuals.

EVSP320 Energy and Resource Sustainability (3 hours)

This course will introduce students to current and future trends in energy technology, policy, and sustainability. It will address topics such as resource sustainability, relevant aspects of economics, sociology of innovation diffusion, product design principles, and the environmental impacts of existing and emerging energy technologies. Analysis of the range of current and future energy choices will be stressed, as well as the role of energy in determining local environmental conditions and the global climate.

EVSP321 Land Use and Planning (3 hours)

This course will introduce students to the basic methods of land use planning, including: goal development and formalization, planning intelligence and information systems, population forecasting, land use forecasting, land suitability analysis, land use location requirements, land classification planning, natural/sustainable land use design, and the analysis of regional or local land use plans. Through lecture, discussion, case studies, and assignments, the class will examine fundamental land use controls (i.e., General Plans and Zoning), land use policy, and contemporary land use management techniques.

EVSP322 Remote Sensing and Geographic Information Systems (3 hours)

This course illustrates the fundamental concepts of GIS and remote sensing technologies in the context of land use planning and management. Topics include the physical basis for remote sensing, remote sensing systems, digital image processing, data structures, database design, and spatial data analysis. The course is not intended to provide students with extensive training in particular image processing or GIS packages, however, course exercises and the final project will require GIS data analysis and presentation skills.

EVSP330 Fish and Wildlife Policies, Programs, and Issues (3 hours)

This course focuses on national fish and wildlife policy, programs, and contemporary issues. Topics addressed in the course include historical and contemporary fish and wildlife policy; major fish and wildlife federal, state, and local programs; economic incentives and disincentives associated with fish and wildlife; and non-U.S. approaches to fish and wildlife issues.

EVSP331 Public Lands Management (3 hours)

This course focuses on the federal, state, and local agencies, policies, strategies, and public law that influences the public lands management of the United States, and, to a lesser extent, other countries. The focus of the course is the historical and contemporary land management approaches used to protect, exploit, manage, and/or use public lands in the United States. Topics include jurisdictional issues over public land, federal agencies involved in land management, state and local issues and land management, and contemporary issues associated with land management in the 21st Century.

EVSP341 Introduction to Wildlife Management (3 hours)

The course explores conceptually the ecological knowledge needed for wildlife conservation, including how species behavior and life history evolves and ultimately how that shapes wildlife populations. Traditional wildlife management topics will be included, along with an added emphasis on ethological implications that affect biological diversity. In addition, human behavior and its impact on wildlife populations and diversity will be studied through case studies, scientific literature, and assigned readings.

EVSP342 Population Ecology (3 hours)

This course examines the fundamental laws of population ecology, providing an overview of the underpinnings of population theory. Emphasis is placed on these principles as applied to conservation and management of fish and wildlife populations. Topics include assessing extinction risk of rare species, invasion dynamics of exotic species, demographic and environmental

stochasticity, metapopulation dynamics, structured populations, the role of species interactions, interspecific interactions, and micro-evolutionary processes. Use of case studies will demonstrate the application of population ecology models and methods to the management of fish and wildlife populations, and provide the opportunity to apply concepts to current problems and challenges in this field.

EVSP411 Environmental Policy, Regulation, and Law (3 hours)

This course is an introduction to environmental policy, regulation, and law in the U.S. Subjects covered will include command and control of regulation, air quality, water quality, control of toxic materials, waste management, energy, and natural resources.

EVSP412 Environmental Management Systems (3 hours)

A major trend among world corporations and public agencies is the creation of formal environmental management systems. Official certification of such plans by a third party auditor marks the end of planning and the start of implementation. ISO 14001 certification is a complicated and labor-intensive process, but it can bring great tangible and intangible benefits. This course will study the process, and then apply it to six case studies.

EVSP413 Environmental and Ecosystems Management (3 hours)

This course focuses on contemporary theories and practices associated with environmental and ecosystems management. Industrial, economic, commercial, political, developmental, and other issues and concerns that influence environmental and ecosystems management are addressed.

EVSP414 Air Quality Management (3 hours)

In this course, the student will examine types of outdoor and indoor air pollutants, their sources, health effects, environmental and aesthetic effects, and methods of measurement and control. An in-depth review of the regulatory framework for air quality in the U.S. and related international treaties and agreements will be explored.

EVSP415 Environmental Impact Assessment (3 hours)

This course focuses on the processes, tools, and techniques used to analyze environmental problems, establish state and federal standards, develop environmental impact statements, and make decisions regarding the environment. Students will analyze actual problems, study real environmental impact cases, and learn to use various environmental impact methodologies.

EVSP416 General Ecology (3 hours)

This course provides an intensive treatment of the field of ecology. Ecology is the scientific study of the interactions among organisms and their environment, which explains the distribution and dynamics of organisms, their traits, and the effects that they have on the natural world. Students will learn that ecology is an integrative discipline that draws from various fields of biology (physiology, morphology, behavior, evolution) and natural sciences (e.g., geology and chemistry), as well as other disciplines (e.g., economics and social sciences). The focus of the course will be on identifying and recommending solutions to ecological problems, e.g., habitat destruction and fragmentation, biodiversity, global environmental change, desertification, acidification of the oceans, and others.

EVSP417 Conservation Biology (3 hours)

This course examines the fundamental biological and ecological principles of conservation biology. Instruction covers measures of biological diversity, species concepts, genetics of small population viability analysis, and metapopulation dynamics; habitat fragmentation including edge effects, corridors and patch dynamics; reserve design principles; setting biodiversity priorities; and monitoring indices. Changes in land use patterns and the science of Landscape Ecology are also investigated. Current conservation techniques are reviewed through the use of case studies and computer exercises.

EVSP418 Green Infrastructure and Renewable Technologies (3 hours)

This course will introduce students to the concepts of green infrastructure planning and design and the implementation of renewable technologies. The framework presented for planning and design will focus on increasing the performance of green infrastructure systems. Students will examine case studies and participate in exercises to develop richly layered, interconnected, and sustainable communities that increase human health and ecological resilience

EVSP421 Water Resources Management (3 hours)

This course is designed to review the practical application of watershed planning as a tool to manage land, water, and ecosystem resources. Students will explore the public policies and practices of watershed planning by examining case studies in water supply, water quality, drought, floodplain, and storm water management in the U.S. The watershed management curriculum will utilize a multi-disciplinary approach, involving the fields of geography, environmental science, geology, public policy, urban and regional land planning, geographic information systems (GIS) and engineering.

EVSP430 Pollution and Pollution Management (3 hours)

This course focuses on pollution, its influence on the environment and ecosystems, and the major strategies designed to prevent or contain it. Topics include basic principles in pollution management, air pollution, marine and freshwater pollution, managing radiation, and the influence of society on pollution management. No prior experience with pollution management is needed, although the student is expected to have enthusiasm for the subject matter.

EVSP499 Senior Seminar in Environmental Studies (3 hours)

Analyses of specific issues will be conducted that will include a review of federal environmental organizations, regulations, and their integration with policymaking and decision-making. Students will review and analyze the environmental problem solving process with consideration for the economic, social, and security implications of these decisions on national and global scales. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. This is a capstone course to be taken after all other Environmental Studies courses have been satisfactorily completed or concurrently with courses as the student completes the last courses in EVSP. Students must have SENIOR standing to enroll.

Undergraduate Course Descriptions

Finance and Accounting

ACCT100 Accounting I (3 hours)

Introduction to the purposes of financial accounting statements and the recognition, measurement, and disclosure concepts and methods underlying financial statements. Focus is on using and interpreting financial statements and on understanding the impact of transactions and events on financial statements and financial ratios. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: MATH110, MATH111 or MATH225)

ACCT101 Accounting II (3 hours)

A continuation of Accounting I, this course includes study of managerial concepts, analysis of financial statements, internal controls, and contemporary accounting standards, practices, and issues. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT100).

ACCT105 Accounting for Non Accounting Majors (3 hours)

This course is an overview of accounting concepts used by managers in a business environment intended for non-accounting majors with no accounting background. Topics include accounting concepts, users of accounting information, elements and purpose of financial statements, accrual accounting, internal control and basic financial analysis. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT202 Introduction to Payroll (3 hours)

This course provides a foundation in payroll accounting, administration, and management. Learn to complete payroll calculations for earnings, taxes, and withholdings; maintain personnel records; and analyze payroll transactions. This course is intended for accounting students and professionals with a need to understand payroll basics. Prerequisite: ACCT100

ACCT300 Financial Accounting (3 hours)

As study of financial accounting to expose the student to a wide range of accounting topics. Topics include generally accepted accounting principles, assets and liabilities, debits and credits, accrual and cash based accounting, merchandising and inventory, the accounting cycle, internal controls, capital stock, income reporting, liabilities, cash flow, budgeting, planning and control. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT301 Intermediate Accounting I (3 hours)

This course examines the accounting process including the adoption of the International Accounting standards (IAS) and reporting of financial reporting (e.g., balance sheet, income statement, and statement of cash flows). Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT302 Intermediate Accounting II (3 hours)

Students will study accounting theory and practices associated with corporate accounting issues of pensions, leases, bonds, and investments and earnings per share. Students will also study the effects of time value of money and how it applies to business decisions. An in-depth analysis of liabilities, stockholder's equity, and accounting changes and errors analysis are also reviewed in this course. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT301)

ACCT303 Intermediate Accounting III (3 hours)

A survey of the financial reporting process, a detailed study of financial statements, and an analysis of generally accepted accounting principles. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT302)

ACCT305 Accounting Information Systems (3 hours)

This course applies the practical application of accrual-basis accounting through the use of accounting software. Students will gain experience in integrated software designed to handle general ledger, accounts payable, accounts receivable, financial statement analysis, fixed assets, sales order processing, inventory, and payroll. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT101)

ACCT400 Auditing (3 hours)

This course examines the role of the auditor in a global business environment. The course covers the scope of auditing, the rules governing the professional ethics of the Certified Public Accountant, the auditing process, and the legal liabilities and responsibilities of an auditor. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT303)

ACCT401 Cost Accounting (3 hours)

Cost accounting identifies the essential data to managers regarding planning and controlling, costing products and services, and customers. The student studies the basic concepts, analyses, uses, and procedures related to types of costs and costing systems. This course will concentrate on examination of the concepts, theories, principles, and practices of cost accounting. Students will develop quantitative and qualitative methods for analyzing raw data that support the business decision-making process and inventory costing. Prerequisite: ACCT101

ACCT405 Managerial Accounting (3 hours)

Students will analyze how internal accounting information can be used to support management in planning and controlling business activities. Topics covered range from (analysis of) financial statement analysis, job order cost systems, cost-volume-profit analysis, budgeting, performance evaluation using standard costs, differential analysis, and product pricing. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: Intermediate Accounting-ACCT301 or Equivalent)

ACCT410 Governmental and Not-for-Profit Accounting (3 hours)

This course emphasizes the accounting principles and reporting requirements for government units and not-for-profit entities. Topics include the accounting cycle, budgeting and fund accounting, and accounting for state and local governments, colleges and universities, and for not-for-profit organizations. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite ACCT301)

ACCT415 Law for Accountants (3 hours)

To develop a sound understanding of the nature of law and an appreciation of the role of law within which an Accountant operates. A study of an area of law of particular importance to business, including contracts, sales, negotiable instruments, secured transactions, agency, partnerships, and corporations. Students must have access to Microsoft Word and Microsoft Excel software.

ACCT420 Individual Federal Taxes (3 hours)

Students will be introduced to procedures for analyzing tax information on an individual federal tax basis. The following material will be covered in this course: analysis of gross income, income exclusions, adjusted gross income, deductions, exemptions, and credits. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT100)

ACCT499 Senior Seminar in Accounting (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Accounting. The students will examine a number of real-world cases that relate to auditing and accounting issues, and students will prepare an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students must complete ALL Core and Major courses prior to this course. Students must have access to Microsoft Word and Microsoft Excel software. Students must have a SENIOR standing to register.

FINC300 Foundations of Financial Management (3 hours)

This course is an overview study of the concepts and techniques in finance for non-financial managers. The course will cover basic financial tools and principles for both small and large business. Topics include financial and securities markets, financial statements and analysis, capital budgeting, management, and decision-making. Students must have access to Microsoft Word and Microsoft Excel software.

FINC400 Principles of Financial Management (3 hours)

This course is an overview study of the concepts and techniques in corporate finance. Topics include investments, financial environment, securities markets, financial markets, financial statements and analysis, working capital management, capital

budgeting, cost of capital, dividend policy, asset valuation, and decision-making. Students must have access to Microsoft Word and Microsoft Excel software.

FINC405 Budget Development and Execution (3 hours)

This course provides an in-depth focus and analysis of the four phases of the budget cycle -- formulation, review, execution and audit. It also explores the purposes of budget, including line-item budgeting, performance budgeting, zero-based budgeting and capital budgeting. Students must have access to Microsoft Word and Microsoft Excel software.

FINC410 International Finance (3 hours)

This course is designed to give the student a better understanding of the unique problems and opportunities presented by international business. Since the special emphasis of this course is finance, the course will focus considerable attention on specific topics of international finance such as foreign exchange markets and managing exchange rate risk. Students must have access to Microsoft Word and Microsoft Excel software.

Undergraduate Course Descriptions

Foreign Languages

ARAB100 Arabic I (3 hours)

This course will introduce the student to the fundamentals of the Arabic language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of Arabic speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

ARAB101 Arabic II (3 hours)

This course is a continuation of ARAB100, Arabic I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. (Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

CHIN100 Chinese I (Mandarin) (3 hours)

This course will introduce the student to the fundamentals of the Chinese language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about Chinese culture. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

CHIN101 Chinese II (Mandarin) (3 hours)

This course is a continuation of CHIN100, Chinese I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

FREN100 French I (3 hours)

This course will introduce the student to the fundamentals of the French language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of French speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are

unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

FREN101 French II (3 hours)

This course is a continuation of FREN100, French I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

FREN201 Intermediate French Literature: Le Roman (3 hours)

This course is an extensive experience in reading a novel in French with the intent to grasp the meaning and the ideas in the foreign language without depending on or carrying out word for word translation.

GERM100 German I (3 hours)

This course will introduce the student to the fundamentals of the German language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of German speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

GERM101 German II (3 hours)

This course is a continuation of GERM100, German I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

RUSS100 Russian I (3 hours)

This course will introduce the student to the fundamentals of the Russian language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about Russian culture. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

RUSS101 Russian II (3 hours)

This course is a continuation of RUSS100, Russian I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing

exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. •The ability to download and install the speech component. •A working microphone installed on the computer for speech recognition. •Access to streaming media is also required and should be confirmed before registering for the class.

SPAN100 Spanish I (3 hours)

This course will expose the student to the fundamentals of the Spanish language. The student will learn basic vocabulary, verb conjugations and grammatical usage through workbook and listening exercises. The student will also learn about the Spanish culture through reading and listening exercises. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

SPAN101 Spanish II (3 hours)

This course is a continuation of SPAN100, Spanish I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. Workbook and listening exercises will be a major component of the course. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact classroomsupport@apus.edu if you are unsure or have any questions. * The ability to download and install the speech component. * A working microphone installed on the computer for speech recognition. * Access to streaming media is also required and should be confirmed before registering for the class.

SPAN201 Intermediate Spanish Literacy: La Novela (3 hours)

This course is an extensive experience in reading a novel in Spanish with the intent to grasp the meaning and the ideas in the foreign language without depending on or carrying out word for word translation.

Undergraduate Course Descriptions

Foundations

COLL099 Classroom Success (0 hours)

This course will help students succeed in the APUS classroom environment. It introduces the student to the Sakai learning management system. APA citation style will also be reviewed as well as current policies on plagiarism and how to avoid it. Last, classroom expectations will be covered. This course is not for credit towards any program requirements and registration should be only for those students enrolled in an Undergraduate Learning Tracks Program.

COLL100 Foundations of Online Learning (3 hours)

This course is designed to provide a solid foundation for undergraduate study in the online environment. Students will be introduced to learning theory, the tools available in the online classroom and campus, and online research. Identification of personal learning style allows students to improve their study/learning techniques and prepares them to succeed in college level courses. Students will be introduced to formatting and citation styles. APUS policy and procedure is addressed. There is an emphasis on written communication to assist students in the transition to the online environment.

COLL102 Learning Strategies (3 hours)

This course is designed to assist students in mastering and applying the learning skills and cognitive processes required for successful college-level work. In addition, the course is a foundational piece of the Pathways to Success strategy to return student to good academic standing.

COLL200 Prior Learning Assessment Seminar (3 hours)

This course provides a structured series of activities designed to provide the student with a systematic approach to petition for credit for learning obtained outside a traditional classroom. Students will learn to differentiate between experience, experiential learning, and learning by experience. They will analyze their personal knowledge, skills, and abilities and leverage them to develop and achieve educational goals as they learn about learning styles and theories. Students will identify prior learning and will be introduced to methods by which they can demonstrate that learning. Students will develop and submit at least one portfolio for assessment. Students are able to submit portfolios for additional classes after course completion. The evaluation fee for additional portfolios is \$250 per portfolio. NOTE: students must be admitted to the PLA program before registering for this course. For information about the prior learning assessment program admission requirements, please visit <http://www.amu.apus.edu/admissions/general-information/pla.htm> or <http://www.apu.apus.edu/admissions/general-information/pla.htm>

COLL300 Research, Analysis, and Writing (3 hours)

This course outlines basic study and research techniques, the use of libraries, and the importance of research methodology and analysis across disciplines. It is a writing intensive course that requires a sound understanding of written communication. Students enrolling in this course should be familiar with proper citations and documentation, grammar and syntax, organizing their writing, and parts of a paper. (Prerequisite: ENGL102 or ENGL200).

COLL498 Senior Seminar in General Studies (3 hours)

The capstone course is designed to polish students' writing, analytical, and research skills from the variety of discipline areas studied so that he or she may confidently confront the challenges and demands of specialized research and written communication. This course provides students with the opportunity to complete an approved academic research exercise or other creative scholarly activity resulting in a tangible product that demonstrates synthesis of a student's coursework and substantial knowledge of a selected field of study or cross-disciplinary interest. The course also addresses the notion of capstone by considering overall academic accomplishments in light of specific personal and career goals. This course is to be taken as the LAST course in the General Studies program. (Prerequisite: COLL300 AND Senior Standing)

IRLS200 Information Literacy and Global Citizenship (3 hours)

Information Literacy and Global Citizenship builds students' information literacy skills in the international relations/global studies

context. Students analyze scholarly sources in the discipline, identifying the types of issues and questions scholars pursue, the discursive conventions they employ, and their methods of engaging in dialogue with and citing sources. After identifying their own discipline specific research question, students select and use appropriate research tools, developing complex search strategies that help them to find relevant scholarly information on their topics. They evaluate sources and information to determine their authority, reliability, timeliness as well as the quality and underlying assumptions of the arguments presented. They synthesize the information they've found with their own ideas, effectively integrating source material into their papers and citing that material appropriately. Finally, the course asks students to reflect upon the ways in which the information literacy skills they've acquired provide a foundation for both global citizenship and lifelong learning. NOTE: Students may not earn credit for both IRLS200 and previous course IRLS303.

Undergraduate Course Descriptions

History

HIST101 American History to 1877 (3 hours)

This course is a survey of United States history from the earliest European settlements in North America through the end of Reconstruction and emphasizes our nation's political, economic, and social development, the evolution of its institutions, and the causes and consequences of its principal wars.

HIST102 American History since 1877 (3 hours)

This course is a survey of history of the United States from the end of Reconstruction to modern times. Emphasis will be placed on internal expansion, inherent isolationism, America's road to becoming a world power, and the development of the concept of America as the "policeman" of the world.

HIST111 World Civilization before 1650 (3 hours)

This course is a survey of the history of the human community from the dawn of civilization to 1650. Emphasis is placed on the origins and achievements of the core civilizations of Asia, Europe, Africa and the Western Hemisphere. It stresses the interrelations of societies and cultures of the past, comparing and contrasting the experiences of peoples and civilizations with one another.

HIST112 World Civilization since 1650 (3 hours)

This course is a survey course in the history of the human community from 1650 to the present. It covers the origins, development and achievements of the major civilizations and stresses the interrelations of societies and cultures of the past, comparing the experience of peoples and civilizations with one another.

HIST121 Western Civilization before The Thirty Years War (3 hours)

This course is a survey of the history and culture of the Western Civilization from the ancient civilizations of the Near East, through the rise of the classical civilizations of Greece and Rome, to the beginnings of Europe's Early Modern period. Emphasis is placed on the examination of the major political, social, economic and religious developments of European history.

HIST122 Western Civilization since The Thirty Years War (3 hours)

This course is a study of the history and culture of the Western world, from the beginnings of Europe's Early Modern Period to the present. It covers the major political, social, economic, religious and cultural developments, since the thirty years war.

HIST213 History of Women in the United States (3 hours)

This course has been designed as an introduction to the history of women in the United States from the colonial period to the present. It will be surveying the field of American women's history in order to understand how specific political, social and economic transformations in the nation's past have affected the female half of the population. Throughout, it will remain attuned to ethnic and racial diversity and to regional differences and class distinctions in the lives of U.S. women. It will look at women's culture, as distinct from the dominant male culture, and analyze women's writings, art, life cycles and sexuality. It will work to understand the collective lives of women as workers, family members, reformers, and political activists as well as the individual experiences of women in the U.S. from the colonial era into the 21st Century.

HIST214 History of Latinos in the United States (3 hours)

Latinos are the fastest growing minority in the United States and have played key roles in U.S. history. This course surveys the history of the Latino experience in the United States from a political, economic and cultural standpoint. Discover the difference between a "Hispanic" and a "Latino." Understand the intricacies of controversial issues such as immigration, and learn how this group has been influential in the past and is becoming increasingly important in the U.S.

HIST221 African-American History before 1877 (3 hours)

This course examines the complex and varied experiences of African Americans from slavery to 1877. Topics include West African roots, the middle passage, American slavery and resistance, the development of racism, the Civil War, and Reconstruction. The

course will examine internal and external factors that shaped the black historical experience economically, culturally, and politically. While the class is designed to proceed chronologically, important themes such as the development of racism, abolitionist thought, the slave community, and the impact of free blacks will be emphasized.

HIST222 African-American History since 1877 (3 hours)

This course surveys the economic, cultural, and political facets of the African American experience from 1877 to the present. Topics of African American history will be examined, such as Jim Crow laws, the Harlem Renaissance, the Civil Rights Movement, and Black Power. While the class is designed to proceed chronologically, themes such as military and diplomatic policies, migration and urbanization, black political thought, and popular culture will be emphasized.

HIST223 History of the American Indian (3 hours)

This course surveys American Indian history from before Columbus to the present. It emphasizes the American Indians’ political, economic, and social development, the emergence of the principles that guided them into the 21st century, the evolution of its institutions, and the causes and consequences of its principal wars.

HIST225 West Virginia Studies (3 hours)

In this course, students will review the geographical, cultural, economic, and political aspects of the state with an emphasis on the events leading up to statehood and beyond. Local traditions and state sectional patterns are stressed and examined in the context of assimilation into the national body politic.

HIST230 History of East Asia (3 hours)

This survey course traces China’s social, political, and cultural developments from the dynastic period to the present. Through this process, this course will examine the Chinese dynastic system, the rise of Confucianism, the adoption of Buddhism, technological developments, and explores the great diversity and impressive continuities of traditional Asian civilization. Additionally, students will explore the historical transformations that have led to the development of modern Asia as well as how China has historically impacted all of Asia. No prerequisite.

HIST270 History of Science (3 hours)

Science is unquestionably central in shaping our modern world. Though often directed by the “big science” efforts of universities, global corporations, and nations, it is the individual scientist that populates these scientific communities. It is at this individual level, both professionally and personally, that science touches us most directly. Students earn advanced degrees in a wide range of specialties like physics, biology, and chemistry. Science is also a central component in related fields of medicine, geology, genetics, ecology, cosmology, and technology. On the personal level we encounter science everyday when we eat genetically enhanced food, take complicated medicines to combat illness, debate the origins of life, strive to understand new information about ourselves in the universe, use advanced technologies, and in many more ways. These scientific developments do not emerge instantaneously from a vacuum. To fully understand science, one must have an appreciation of its history and how it has developed over time. The latest scientific advance is merely a snapshot of the present, and only looking at this image obscures our appreciation of the dynamic interaction between science and culture, and the ways that national, institutional, and individual goals have determined its trajectory. This broader perspective, gained only by the study of the history of science, serves as our central mission in this class.

HIST290 History of the Holocaust (3 hours)

This course is an overview of the major historical, political, cultural, religious, and military issues associated with the Holocaust. It will examine how the anti-Semitic propaganda of the early Nazi Party manifested itself into a legitimate political platform, evolving into state sponsored legal legislation, and culminating into an industrialized killing industry. Students will be introduced to the principle historical figures, events and time lines regarding the birth of the Nazi Party, their taking control of the German nation, and finally their political and military actions against those deemed ‘subhuman’. In addition, students will also become well-versed in The Hague and Geneva Conventions regarding the roles of the military and the protective status and qualifications of noncombatants. (Prerequisite: HIST300/HS334 for History and Military History majors only).

HIST300 Research Methods in History (3 hours)

The purpose of this course is to prepare the student for upper-division course work, research, and writing based on historical

methodologies such as quantification or paleography. It is designed to familiarize the student with what historians do and how they do it, and affords the student the opportunity to develop their own skills as a historian by interpreting and evaluating primary and secondary source material and presenting their findings in a written, properly referenced format.

HIST301 Ancient Greece (3 hours)

This course covers the history of the Greek speaking peoples from the origins of Greek civilization during the Bronze Age to the dispersion of Greek culture during the Hellenistic era through the conquests of Alexander the Great. The topics emphasize the political, social, cultural, and economic institutions and values that Hellas created to revolutionize Ancient Mediterranean history. Students gain an introduction to the history of Greek civilization and a deeper understanding of the nature of democracy, and the relationships among politics, art, literature, and the ideals of civic virtue. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST302 Ancient Rome (3 hours)

This course will study the history of Ancient Roman civilization from the founding of the Republic in 735 BC to the fall of the western empire in 476 AD. Roman political, military and cultural events and personalities will be the focus of this course. Interaction and conflict with neighboring Mediterranean, western tribal, sophisticated eastern, and later barbarian cultures will serve as the thematic core. The course will also examine the lasting impression and influence of Ancient Roman civilization on European and Western culture. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST303 The Middle Ages (3 hours)

This course will cover the history of Europe from the 4th/5th century when the Roman Empire was ending to the middle of the 14th century when the new nations were fully defined. Starting with the fall of the Romans and the effect of that fall on Europe, the course will cover the arrival of the "barbarian" invaders, the reign of Charlemagne, the rise of separate, new European states such as France, England and Germany as well as the Church, the relations between these states and with the Byzantine Empire, the period of the Crusades, and the development of different government systems in the various European nations. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST304 The Renaissance (3 hours)

This course is a survey of Western Europe from 1350 to 1600. It examines the political, military and social events surrounding the re-birth of classical knowledge and artistic expression in Italy known as the Renaissance. The course also traces the movement of the Renaissance northward, focusing on the coming Reformation era. The last part of the course studies the Protestant and Catholic Reformations to include how the Reformations effected the growth of the modern nation-state. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST305 France in the Age of Enlightenment (3 hours)

This course examines the "Age of the Enlightenment" in France with the reigns of King Louis XV and Louis XVI. Through readings of the functioning of the monarchy, on the world of everyday peoples in Paris and the countryside, and the intellectual climate of the era, students will be able to reconstruct the time known as "the ancient regime." The class will also analyze readings by authors such as Diderot, Voltaire, DuChâtelet, and Rousseau to gain a sense of the intellectual excitement of the "Enlightenment." (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST306 The British Empire (3 hours)

This course examines the British Empire from the late 18th century to the 1960s. It includes the settler colonies, the colonies inhabited almost exclusively by non-European peoples, and the "informal empire" of trade and investment as well as the impact of the Empire upon the British Isles. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST307 The Age of Dictators: Europe 1914-1945 (3 hours)

This course focuses on the great crises of 20th century European civilization, from the outbreak of war in August 1914 to the defeat of Hitler Germany in May 1945. Through novels and historical monographs, it explores the effects of total war and mass mobilization on the industrially advanced state systems of the period, as well as the social emancipation, economic disintegration, and cultural innovation brought on by the great wars of the period. Particular attention is paid to the experience of the "great powers" (Germany, the Soviet Union, Britain and France), which is supplemented by student research on the smaller countries of

Europe. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST308 History of European Colonialism (3 hours)

This course explores European colonial history from the fifteenth century to the present. It takes into account the exploration, colonization, and decolonization of the Americas, Africa, Asia, India and the Middle East by three major European powers: Britain, France, and Spain. The actions of these countries, among others in Europe, affected the areas they colonized and the indigenous populations for generations to come. This course will focus on the expansion of European empires, the consolidation, management, and disintegration of the empires. Prerequisite - HIST300/HS334 for History and Military History majors only

HIST310 History of Modern Europe (3 hours)

The course evaluates European politics from the French Revolution to the industrialization process and effects in the late 18th and 19th centuries. Students assess the impact of military modernization and analyze the commercialization of the culture. An overview of politics and wars in the 20th century and their relationship to the fall and rise of the economy will be presented as well as the concept of European security. The forces of modernization, causes of war, and power of unification will be evaluated, with an emphasis on effects and divisions of the Cold War and democratization wave of the 1990's. It will examine the evolution of trade unions to a regional union with its effects on politics, economics and security, including case studies of regional terrorism. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST320 History of Russia (3 hours)

The course covers the history of Russia and its people from the medieval period up to the present. While student projects can be on any aspect of Russian history from any period, the emphasis in the classroom will be on political and social history from the period of reforms in the mid 19th century up to the fall of the Soviet Union. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST330 History of the Pacific Rim (3 hours)

This course is a study of the history of the modernization of the Pacific Basin in the 20th Century. It covers all the Asian nations except those of the Indian subcontinent. The course will cover such areas as the technological and economic development of the Pacific Basin, the trauma associated with the changes to the old order, social and economic upheaval, industrialization, and urbanization. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST340 History of Africa (3 hours)

This course examines the history of Africa from the first periods in recorded history, through the colonial period and 20th Century. The focus is upon the major European powers that influenced the continent and the internal social, religious, political and economic dynamics specific to each region. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST350 History of the Middle East (3 hours)

This course examines Middle Eastern history from the era of Suleyman the Magnificent, the 16th-century Ottoman sultan, to the late 20th century. It traces the roots of current Middle Eastern politics to social changes-- as the region lost its pivotal role in the world economy in the 19th century but gained oil wealth-- and to the political aftershocks of colonial occupation a century ago. Themes include the emergence of dictatorship and violence in politics during the 20th century, and especially the conflicts centered on the emergence of Israel; the rise of new political ideologies, nationalism, liberalism, and Islamism; the rise of women's rights movements, and the reasons that political conflict has come to center on women's status; and the polarization of rich and poor classes that continues to destabilize domestic politics. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST351 History of Iraq (3 hours)

This course examines the complex and diverse history of Iraq from its ancient roots to the present. Students analyze the evolution of the modern Iraqi state, its roots in Islamic law, the effects of imperialism, monarchy, and the emergence of the militant dictatorship. In addition, students examine social, cultural, and economic traditions that have contributed to the development of Iraqi policy. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST360 History of Latin America (3 hours)

This course is a survey course of Latin American History. The subject is approached from two very different perspectives. The primary method is a comprehensive overview of Latin American history and theories important to the study of Latin America and the second provides the student with an overview of the history of individual Latin American countries. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST370 Asia and the Modern World (3 hours)

This course is a study of major national and international developments within East, Southeast, and South Asia, to include current key issues involving China, Japan, the two Koreas, Indonesia, Thailand, Pakistan, and India. This course focuses on issues in Asia that are important to the national security of the United States, particularly military, political, and economic issues. The course will also provide a close examination of U.S. relations with Asian nations. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST402 Colonial America (3 hours)

This course explores North American history from the dawn of the British colonization of North America to the end of the French and Indian War in 1763, which sparked subsequent British Colonial Policy and thus set into motion the events leading to American Revolution in 1775. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST403 The Early Republic, 1783-1815 (3 hours)

The Early Republic, 1783-1815 examines the development of American political, social, and cultural institutions during the formative years of the new Republic. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST404 Jacksonian America, 1815-1846 (3 hours)

Jacksonian America, 1815-1846 examines the nature of Jacksonian democracy and its treatment in American historiography. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST405 Antebellum America, 1846-1861 (3 hours)

Antebellum America, 1846-1861 examines the divisive political, social, and economic forces which intensified in the 1840s and culminated in the Civil War. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST406 Civil War And Reconstruction, 1861-1877 (3 hours)

Civil War and Reconstruction, 1861-1877 examines the wartime problems of the Union and Confederacy, as well as the consequences of the war and the postwar efforts to create a new Union. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, military, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST407 The Gilded Age, 1877-1900 (3 hours)

The Gilded Age, 1877-1900 examines the rise of the United States as an industrial and world power with particular stress on the changing patterns within American society. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST408 The United States: 1900 to Second World War (3 hours)

This course examines the changes in American society at the end of the 19th century as it confronted the issues of industrialization, immigration, and urbanization. It explores the open conflict between the advocates of isolationism and collective security and examines the impact of World War I. It also examines the changing values of the 1920's, the stock market crash of

1929, the Great Depression that followed, and the prelude to the second world war. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST409 The United States: WW II to the Present (3 hours)

The United States: WW II to the Present is a study of the political, economic, social, and cultural development of the United States from World War II to the Present. Topics include social and cultural changes in the 50s, 60s, 70s, 80s, 90s, and the first decade of the 21st Century; the United States foreign policy from the post-WWII "Cold War," to Korea, Vietnam, and other global confrontations between the United States and the communist world from Somalia, Grenada, and the First Gulf War to the most recent "War on Terrorism"; and the technological changes and their impact on the social and economical development of the United States. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST415 The Cold War (3 hours)

The Cold War developed between capitalist and communist nations—primarily between the United States and Russia—shortly after World War II and lasted until the early 1990s. Although the conflict is technically considered over, its impact is still felt in society, politics and economics even today. The Cold War often threatened to transform into a hot war, and actually did so periodically, such as in the Korean and Vietnam Wars. This course focuses on the development of the ideological conflict and its effects on politics, economics, technology, society and culture in both the East and the West. Prerequisite - HIST300/HS334 for History and Military History majors only

HIST480 Special Topic: History (3 hours)

This course is a one-time offering on an area of special interest and may be applied to fulfill major course requirements or electives. A student may appeal to take this course twice, if the subject matter is different enough to merit separate credit. TOPIC FOR NOVEMBER 2014: Anglo Saxon Britain. This course will look at the society and politics of Britain from the end of Roman occupation to the Norman conquest. Close attention will be paid to the political connections between the different kingdoms. TOPIC FOR JULY 2014: History of Scotland. This course will look at the history of Scotland from its earliest history until the defeat of the Jacobites at the Battle of Culloden in 1745. Special attention will be paid to the political history, the Scottish monarchs, and the interactions between England and Scotland over control of the north of Britain, including Macbeth, William Wallace, Robert the Bruce, Mary Queen of Scots, Bonnie Prince Charlie, and many other influential leaders. Discussions will cover the incursions by the Scots from Ireland, the contact with the Romans, the influence of the Vikings, and struggle for an independent Scottish identity. TOPIC FOR MARCH 2014: Viking History. This course will examine the history of the Vikings and their influence on the development of Europe. Discussions will focus on key settlement areas such as Iceland, Britain, France and Russia and how the Vikings brought about social, political, economic, religious, and military changes in those areas.

HIST490 Independent Study: History (3 hours)

An opportunity for History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course. (Prerequisite - HIST300/HS334 for History and Military History majors only).

HIST491 Writing a Research Proposal (3 hours)

Preparation for the BA in History and Military History Capstone seminar begins on day one of a student's program of study. The theories, research methods and analytical skills, and substantive knowledge obtained through their BA curriculum provide the basis for the Senior Seminar. Students are required to develop primary and secondary source materials on their research topic and address the writing requirements as described in the syllabus and classroom assignments. The research proposal must provide a clear description of a question or problem and a proposed method of answering the question or solving the problem.

HIST498 Senior Seminar in History (3 hours)

The Senior Seminar in History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in history. After a review of the student's academic experience, the student and professor will design a course of study to round out the student's preparation for research and writing a major paper in their field of interest. This is a capstone course to be taken after all other History courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH318 The French and Indian War (3 hours)

The French and Indian War, otherwise known as the Seven Years War, was fought in North America between the years 1754 and 1763. The British and their American colonists fought against the French and the Indians initially over territorial disputes of the Ohio River Valley. This resulted in one of the world's first global wars, and consequently set the stage for the foundations of the American Revolution. This course will focus on the beginnings of the war, both domestic and international, military events, and the consequences of the war. Prerequisite - HIST300/HS334 for History and Military History majors only

MILH320 The American Revolution (3 hours)

This course examines the American Revolution from its antecedents to its legacy. The events leading to the revolt and the Declaration of Independence; the strategy and tactics of the war emphasizing the land campaigns; and the aftermath of war on the new Nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH355 World War I (3 hours)

This course analyzes World War I, from the political unrest in Europe in 1914 and the outbreak of war to the Armistice in November 1918 to the treaty of Versailles in 1919 and the official end of the war. Global in scope, the themes highlight the origins of the conflict, Entente and Central Powers strategies, plus the major military campaigns, power diplomacy, life on the home front and America's entry and effect to the Entente (Allied) war effort her entry had on the outcome of the conflict. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH360 World War II (3 hours)

This course is a global examination of the Second World War with an emphasis on the origins of the conflict, Axis and Allied strategies, major military campaigns, great power diplomacy, life on the home front, and the Holocaust. The experience of combat, social and political changes that resulted from the conflict and the scientific consequences of the war will be continual themes addressed by the course material. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH365 The Napoleonic Wars and the Long Peace (3 hours)

This course examines the theory and practice of warfare in Europe from 1785 to 1870. It will emphasize the rise of Napoleon as a military leader, as a practitioner of the operational art, but will also examine his political, economic and legal impact on Europe as a whole. This course will focus on the wars of the French Revolution, Napoleon's northern Italian campaigns, his expedition to Egypt, his battles while leading the Grand Army at Austerlitz and Jena, and his march to Moscow where he led the largest army in European history to date. It will also cover the 1813 and 1814 campaigns, the reactions of Napoleon's enemies to his innovations in warfare, and his final defeat at Waterloo. The course then looks at the status of Europe in 1815 and the conditions which set the terms for the "Long Peace". The course ends prior to the start of the wars of 1870 and the lessons learned. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH370 The Korean War (3 hours)

This course provides a history of the Korean War from pre-hostilities to post-ceasefire. The course mainly concentrates on the U.S. and South Korean conflict against North Korean and Chinese forces, but other UN participants are covered throughout the course. All three levels of conflict, from tactical to strategic are discussed. The increase in technology, the usage of modern weapons, POWs, and the continued presence of U.S. forces in the Republic of South Korea are also covered. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH371 The Vietnam War (3 hours)

This course examines the origins of the conflict in Indochina, American intervention and commitment, the ground wars, Vietnamization, trouble at home, the US withdrawal, and the war's effect on American society. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH421 History of Peacekeeping: 1945-1987 (3 hours)

This course examines the overall evolution and functioning of United Nations Peacekeeping Operations (PKO) during the Cold War period. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. The origins and evolution of UN peacekeeping are explained in military, diplomatic, and political terms. This course describes how superpower conflicts shaped both the direction and scope of UN PKOs. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

MILH422 History of Peacekeeping: 1988-Present (3 hours)

This course examines the strategy, operations, evolution, and functions of United Nations Peacekeeping Operations (PKO) from the end of the Cold War to the present. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. While the United Nations peacekeeping operations are studied in detail, other forms of peacekeeping are presented as well. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

Undergraduate Course Descriptions

Homeland Security

HLSS154 Mind of a Terrorist (3 hours)

This course explores psychological and behavioral perspectives of terrorism. Specifically, the course examines the circumstances underlying why people radicalize and join terrorist groups, engage in terrorist activities, assume various terrorist roles, and, in some instances, de-radicalize and disengage from terrorist activities.

HLSS212 Chemical, Biological, and Radiological Hazards (3 hours)

This course provides an in-depth study of the history of CBRN agent and material development and use by nations, nation-states, state-sponsored organizations, and terrorists. This course further examines CBRN threats worldwide and reviews CBRN Arms Limitations, Treaties, Organizations, Regimes and Agreements. Finally, the course discusses various approaches to deter use of CBRN agents, materials, and weapons.

HLSS215 Regulatory Issues in Weapons of Mass Destruction (3 hours)

This course focuses on the legal and regulatory issues associated with WMD response. Its topics include: associated public law, reporting authorities, jurisdictional and functional issues that govern organizational, technical, medical, scientific, moral/ethical issues, and, other aspects of response.

HLSS230 Chemistry of Explosives (3 hours)

This course offers explosive handlers, bomb disposal technicians and responders an introduction to the chemical make-up and associated hazards of explosive substances. The combination of challenging reference sources and instructional interchange immerses the student in the world of explosive compounds including the research and development behind many explosive compounds widely used throughout the world today. This combination of reference materials, website research and group-related projects, allows the new explosive handler to learn the scientific basis for the long lists of safety precautions involved when handling explosives. Topics include, but are not limited to, history of explosives; basic chemical composition of explosives; and, safety precautions and guidelines when approaching or handling explosives. It will also cover researching information sites and references for material ranging from basic safety precautions of explosives to the resources available for emergency handlers and responders. The course helps students understand the hazards associated with common explosive materials.

HLSS231 History of Explosive Ordnance Disposal (3 hours)

This course is a dynamic and information packed introduction to the history of incendiaries and explosives. Included is a short study of the origins of modern-day Bomb Disposal and Explosive Ordnance Disposal (EOD) Teams and their evolving techniques. The course examines areas and ideas from the ancient mystique of "Greek Fire" and the inventions of gunpowder and high explosives, up to modern-day nuclear reactions and weapons of mass destruction. The course provides an in-depth understanding and appreciation of the history and background of the science and mechanics applied to explosive technologies, and provides for a better understanding of those who work to render safe unexploded hazards.

HLSS232 Electronics, Electricity, and Explosives (3 hours)

This course is designed for Explosive handling technicians, police or military, or others who respond to incidents involving hazardous devices containing electrical and/or electronic components. Concepts covered include the important differences between electricity and electronics (E&E) from the scientific and technical perspective and the practical situational aspects of threats posed to any handler of suspicious E&E devices. Specific areas are covered in a logical and easy to digest manner and include the fundamental principles of Alternating Current (AC) and Direct Current (DC) including series, parallel, and series parallel circuits; hazardous device circuit component operations and capabilities; and, safety precautions and guidelines when dealing with circuits contained in hazardous devices. The course focuses on how to conduct research on information sites and references for basic circuitry and helps students recognize the technical aspects of circuit theory, components and capabilities required to effectively perform diagnostic procedures.

HLSS233 Explosive Incident Assessment: Methods, Practices, Protocols (3 hours)

This course is an overview of Explosive Ordnance Disposal (EOD). It provides a framework in which to evaluate Standard Operating Procedures (SOPs) utilized by military and civilian Explosive Ordnance Disposal teams and Hazardous Devices teams in the field. The extremely hazardous nature of these operations lends itself to a detailed evaluation of the methods; practices and protocols used during live ordnance and emergency response calls. Formal EOD guidance contained in military instructions and regulations, and Federal Codes of Regulation (CFRs) are examined as references and for operational compliance. They are evaluated for efficacy in meeting the often conflicting and demanding needs of EOD operators. Procedures covered include the full spectrum of military EOD Required Operational Capabilities. Included are high risk evolutions such as diving and demolition operations, parachuting and rappelling operations, and, response to weapons of mass destruction, and small arms employment under hostile and time constrained conditions. The vulnerability and risk of specific EOD procedures to terrorists' actions is defined, and proposed countermeasures are weighted for effectiveness. The application of industry "Best Practice" risk management processes is examined for application to the Explosive Ordnance Disposal field.

HLSS234 Organization for Explosive Ordnance Disposal (3 hours)

This course provides an overview of the many different federal, military, state, local, and specialized explosive ordnance disposal organizations, units, and teams; their associated authority in public law; their different jurisdictional boundaries; and their different doctrinal and organizational approaches to similar and different issues in the field.

HLSS300 Research Methods in Homeland Security Studies (3 hours)

This course must be taken as the first course in the BA in Homeland Security program. This course prepares students to employ basic research methods and writing skills to produce sound research papers and analytical products. Students will learn how to develop the elements of a research strategy, critically read and evaluate data, and communicate their findings in coherent, well-organized written work.

HLSS301 Homeland Security Organization (3 hours)

This course is a study of federal, state, local, private, and other organizational entities involved in homeland security. It addresses the evolution of homeland with an emphasis on the emerging homeland security structure, culture, and organization.

HLSS302 Introduction to Homeland Security and Defense (3 hours)

This course offers a broad overview of the key operational and policy areas the United States government employs to best ensure the security of the nation. Students will explore and discover central themes that frame the government's homeland security operations which emerged after the terrorist attacks of September 11, 2001.

HLSS303 Homeland Security Risk, Threats and Consequences (3 hours)

This course examines the homeland security threat landscape. Students will evaluate the risks and threats facing homeland security and discuss the consequences if they were realized.

HLSS305 Private Sector Homeland Security (3 hours)

The private sector is responsible for much of what has become known as the "homeland security enterprise." This course will address this expanding role and address the responsibility of private sector entities in securing the homeland.

HLSS311 Border and Coastal Security (3 hours)

This course is a study of the federal, state and local organizations involved in border and coastal security, associated homeland security issues, the various policy and operational strategies used for border and coastal access and security, and contemporary border and coastal security concerns. Topics also include immigration and non-U.S. approaches to border and coastal security.

HLSS312 Port Security (3 hours)

Port Security is a survey course designed to provide students with a broad knowledge of port security issues. It will examine the critical importance of ports to trade and their vulnerability to disruption and attack. It will also examine several contemporary issues, including; the importance of sea borne trade to the North American and United States economies, the value of mega ports to sea borne trade, the vulnerabilities of ports to disruption and asymmetric attack, critical port security incidents such as the Halifax Explosion, and defensive measures to protect ports from disruption or asymmetric attack.

HLSS320 Intelligence and Homeland Security (3 hours)

The course examines the evolution of the role intelligence has played in the development of homeland security strategies. Particular focus is on the ways in which intelligence policy and oversight influence homeland security decisions.

HLSS498 Senior Seminar in Homeland Security (3 hours)

This senior capstone course allows students majoring in homeland security to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other English courses have been satisfactorily completed. Student must have SENIOR standing to register.

HLSS499 Independent Study In Homeland Security (3 hours)

This course gives students an opportunity to pursue an independent research project or examine a specific area of study under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member and must be approved by the Program Director or Dean. The course will typically involve a major research paper (20-30 pages). Students will submit a proposal prior to the start of the course. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Hospitality Management

HOSP100 Introduction to Hospitality Management (3 hours)

Hospitality Management is the largest service industry in the world. This course is an overview of the basis dimensions of professionalism, customer service, and sustainability to the major areas of hospitality management, and segments of travel and tourism. The background and historical development of the hospitality industry and its component areas are presented; employment opportunities and trends in each area are discussed.

HOSP101 Foodservice Sanitation (3 hours)

An examination of topics related to food borne diseases and how to control them, importance of employee personal hygiene and habits, and appropriate procedures for handling utensils and equipment. Key terms and real-world food safety case studies are reviewed.

HOSP200 Food and Beverage Management (3 hours)

Introduction to the principles of the food and beverage management; Attention is focused on major industry segments, business practices and trends. Subsequently, detailed consideration is given to the components of the foodservice system: marketing, menu planning, logistical support, production, service, controls, and quality assurance. Product and systems differentiation in various industry segments are emphasized throughout.

HOSP201 Restaurant Operations Management (3 hours)

A study of operation and management of a full-service restaurant, course topics include operational issues, customer satisfaction, restaurant trends and challenges, financial accountability, service issues, and management development. Various aspects of production and service are experienced, discussed and demonstrated. Students become familiar with all aspects of a restaurant operation.

HOSP202 Quantity Food Preparation (3 hours)

A study of established standards, techniques, and practices in large quantity food production, to include sales, production, and service of meals in varied environments - fine dining, casual table service, and catering, among others. (Prerequisite: HOSP100)

HOSP203 Hotel and Restaurant Purchasing (3 hours)

A study of the principles and techniques of purchasing both food and non-food supplies applicable to the food industry. Purchasing ethics are discussed in additions to specifications for all items.

HOSP204 Introduction to Hotel and Restaurant Law (3 hours)

A study of the legal rights and liabilities of travel and tourism personnel, hotel and restaurant operators, including innkeeper and guest, landlord and tenant, liquor, sanitation, labor and other laws applicable to hotel and restaurant operations; insurance coverage for the protection of the hotel and restaurant operators from the various liabilities inherent to these types of operations; safety measures necessary to protect guests and employees from legal harm.

HOSP205 Tourism and Travel Industry (3 hours)

A study of the global tourism and travel industry to include public and private systems and organizations that organize, promote, manage, and participate in tourism and travel. This multi-billion dollar industry is covered from the international down to the local level in an effort to show best practices, strategies, leading organizations, issues of liability and insurance, among other macro factors that affect tourism and travel.

HOSP206 Introduction to Lodging Management (3 hours)

A common sense approach to the essential principles of daily lodging management operations; Students discover information, methods, and techniques for dealing with the changing global lodging environment.

HOSP212 Fundamentals of Tourism Management (3 hours)

A comprehensive look at the output, employment, exports, investments and taxation emanating from the immediate providers of travel and tourism products and services

HOSP215 Cruise Line Operations (3 hours)

A comprehensive study of the cruise line industry along with step-by-step coverage of how to effectively market the cruising experience.

HOSP295 Restaurant Operations Seminar (3 hours)

This course is a culminating course for the Associate of Arts in Hospitality Management, Restaurant Operations concentration. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Hospitality Management. The student will participate in simulated exercises that provide practical exercise enabling the student to demonstrate a grasp of hospitality management study. This is a culminating course to be taken after all other Associate of Arts in Hospitality Management courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. This course is to be taken as the LAST course in the A.A. in Hospitality Management program.

HOSP300 Managerial Accounting for the Hospitality Industry (3 hours)

Key accounting concepts and the selective application of its most effective strategies and tactics are mission critical factors for most hospitality operations. Students participate in real-world hands-on managerial accounting in a hospitality setting. Covers the tax changes made in 2010 and the updated operating statistics. Revenue management and dynamic pricing, accounting for gift cards, unsecured bank loans, and profitability indexes are introduced.

HOSP301 Culture and Cuisine (3 hours)

Major historical and geographical concepts that affect cuisine creations in regions of the world are explored.

HOSP302 Hospitality Law (3 hours)

Focus is on fundamental laws, rules, and regulations applicable to the hospitality industry regarding rights and liabilities of innkeepers and restaurant operators. Case studies will be used to provide additional learning opportunities specific to hospitality.

HOSP303 Hospitality Marketing (3 hours)

An introduction to the marketing of hotels, restaurants and clubs. Information on market segmentation, marketing research, public relations, promotions, packaging, pricing strategies and the future of hospitality marketing.

HOSP304 Nutrition in the Food Service Industry (3 hours)

An introduction to basic nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. Students are introduced to nutrition and dietary guidelines and the connection to healthy life styles and prevention of health issues.

HOSP307 Principles of Cost Control in Foodservice Operations (3 hours)

This course covers the necessary principles to keep food, beverage and labor costs under control, helping to contribute to the success of the operation. Students will apply the terminology and calculations involved in cost control systems and analysis. The course will examine cost control techniques for food, beverage and labor. Menu engineering and analysis will be introduced along with development of cost reduction methods through management policy. (Prerequisites: HOSP200)

HOSP308 Meeting and Convention Planning (3 hours)

A thorough explanation of the lucrative meeting and convention industry and its function in the travel and tourism sector. An overview of the meeting, exposition, and convention businesses, that covers the history of these businesses and the economic value they represent to a destination. Course will include a broad brush of the organizations that support this segment, such as convention bureaus, destination management companies and meeting planners.

HOSP309 Convention Sales and Services (3 hours)

A practical insight into servicing different kinds of meetings and conventions, the types of organizations that stage such events, and the people who hold the key to site selection, and implementation is the focus. Convention management is presented in a way that prepares the student for real-world experiences in planning, selling and servicing meetings and conventions.

HOSP310 Management of Lodging Operations (3 hours)

Focuses on the understanding of how hotels are managed from the rooms' perspective. Managerial aspects of the front of the house departments/divisions and the back of the house departments/divisions are to ensure efficient lodging operations; topics include the overview of the lodging industry, housekeeping, front office, PBX, reservations, revenue management, forecasting, budgeting, inventory management, service, ethics, and technology.

HOSP311 Club Management (3 hours)

A study of club management that includes many different forms of clubs in existence around the world today: health, golf, leisure, professional, and other forms of clubs. The course focuses on all aspects of social, physical, and business issues associated with club management

HOSP313 Theory and Concepts of Leisure (3 hours)

A foundation for the study, theory, and meaning of leisure from its historical roots through contemporary times is the focus. Specific topics include society and leisure; leisure and the human life cycle, leisure development and provision; gender and leisure; among others.

HOSP314 Foodservice Trends and Challenges (3 hours)

Focuses on the leading issues associated with foodservice in the 21st century; trends, issues, and challenges that will lead the industry and force the food service industry participants to lead, change, or suffer the consequences (Prerequisite: HOSP100 & HOSP200).

HOSP315 Dining: A Consumer Perspective (3 hours)

Focus is on the dining experience from a consumer perspective, includes research, opinion, expectations and standards associated with a consumer's stated and unstated beliefs of the dining experience. (Prerequisite: HOSP200)

HOSP316 History and Culture of Wine (3 hours)

Study of wine manufacturing, quality criteria, and sensory standards for both U.S. and international wines; topics include history of wine in society, selection of wine for specific meals, and wine variations. Opportunities for students to purchase different types of wine and participate in evaluative tasting techniques are presented; however alternatives are available for students that choose not to, or may not legally, consume alcoholic beverages.

HOSP318 Culinary Theory and Practice (3 hours)

Introduces the student to food and beverage operations through three major components; food composition, food products and food properties. Students will be engaged in research and projects associated with fundamental food composition, preparation and food safety.

HOSP319 Foodservice Facilities Design (3 hours)

This course focuses on the planning of food service facilities with emphasis on human engineering, layout, design, selection of equipment, and management planning decisions. (Prerequisite: HOSP100 & HOSP200)

HOSP320 Business and Conference Hospitality Mgmt (3 hours)

A study of business travel and conference management in the multi-billion dollar industry is covered from the international down to the local level. Discussions focus on best practices, strategies, and customer perspectives that differ for business vs. leisure travel, leading organizations in the business and conference hospitality industry, issues of liability and insurance, and other factors implicit in effectively managing and providing services to be competitive in this industry.

HOSP321 Marketing and the Hospitality Industry (3 hours)

A comprehensive review of marketing in the hospitality industry; restaurants, hotels, planned play, theme parks and convention centers, based upon customer satisfaction and the customer's perspective. Students will identify best practices in marketing, analyze the market, and assess consumer behavior, offerings, price, and promotion strategies.

HOSP322 Managing Housekeeping Operations (3 hours)

Covers management concepts and responsibilities in the Housekeeping division of mid-to-large properties, including models for

staffing patterns. Examines inventory and equipment management, characteristics of materials and supplies, linen and laundry room management, and cleaning functions.

HOSP323 Introduction to Parks and Recreation (3 hours)

An introduction to the broad field of recreation and tourism including major disciplinary approaches to outdoor recreation and tourism, history, philosophy, and economics; major providers of outdoor recreation and tourism opportunities, including the public, private, and non-profit sectors; and current issues in outdoor recreation and tourism.

HOSP325 Revenue Management for the Hospitality Industry (3 hours)

An independent area of study of the legal and ethical rights from a variety of hospitality segments where yield management directly affects the prices charged and the selling methods of the industry.

HOSP328 International Hotel Management (3 hours)

New trends and developments have changed the context of global hotel operations and management. Lodging operations in a global environment is discussed, with particular attention to expatriate laws, and international policies affecting travel, tourism, and hospitality development.

HOSP335 Leadership and Management in Hospitality (3 hours)

Focus is on the leadership role, people management, interpersonal skills and attention to quality in hospitality organizations.

HOSP350 Managing Technology in the Hospitality Industry (3 hours)

Focus is on getting the most efficient and effective outcomes from interconnected multiple-systems at a single location, the ease of movement between component parts, and the development and ongoing maintenance of the hotel's website.

HOSP355 Loss Prevention and Security Management (3 hours)

Safety and security case studies developed by industry professionals, hospitality-specific resources for safety and security; sections include in-house safety committees, crisis communications, and the importance of safety equipment are presented.

HOSP360 Casino Operations Management (3 hours)

Rooms' division employees connect to the food service staff in casinos by having employees who encourage guests to use the dining and gaming facilities. Focus is on strategies that help increase the bottom line for all areas of the casino operation.

HOSP400 Quality Service Management (3 hours)

The focus is on service delivery and methods for implementation and improvements within the service delivery process. Special emphasis will be placed on management and supervision techniques in service quality along with steps in critical evaluating and implementing a quality service plan within hospitality based organizations.

HOSP410 Advanced Tourism and Hospitality Management (3 hours)

Focus is on advanced techniques and skills for Hospitality Management Professionals to ensure effective and efficient management within the Tourism and Hospitality Management industries. Standards and expectations for restaurant owners, hotel and tourism managers and meeting and event planners are addressed. Price points, product development, tips and marketing techniques that restaurants, hotels, tourism organizations and event planners employ to enhance the customers' experience are addressed.

(Prerequisite: HOSP100)

HOSP411 Hospitality Facilities Management (3 hours)

A comprehensive overview of the operation of hospitality facilities such as: operating costs for various types of facilities, types and characteristics of major building systems, and the responsibilities of the engineering-maintenance department. The renovation needs of hospitality facilities are examined and key managerial aspects of renovations considered

HOSP412 Destinations Management and Marketing (3 hours)

Theories and concepts of hospitality globalization with a comprehensive approach that emphasizes planning, development, and marketing a destination.

HOSP413 Meeting and Event Risk Management (3 hours)

This course introduces procedures to manage facilities and risks specific to the events industry. Current knowledge in risk management is needed to protect guests from safety hazards and firms from loss of profits specific to this unique sector of hospitality. Topics covered include: health and safety, loss prevention and security, emergency preparedness and safeguards, program design and site management. (Prerequisite: HOSP 100)

HOSP415 Destinations and Cultures (3 hours)

Introduces tourism development as a process with its own organizational structures and its own responses to the economic cycle of supply and demand. Cultural environments and their influence are discussed.

HOSP495 Senior Seminar in Hospitality Management (3 hours)

The 16-week Senior Seminar is the final course for the BA in Hospitality Management. Students fulfill the requirements by obtaining an internship in their selected concentration. Students obtain an internship that consists of 80 hours of work over the 16 weeks in a self-selected and instructor approved hospitality environment (hotel, restaurant, convention center, etc). Students will apply insights and learning from the classes and obtain real-time work experience. Students are required to keep a journal or log during the internship capturing questions, insights, and learning from the experience. Upon completion of the practicum students will write a final 10 page integrative paper drawing upon literature and insights to support and enhance their practicum experience. For those students who do not obtain an internship, they can fulfill the requirements by writing a 50-page, instructor-approved, research paper that is connected to a real organizational issue. See syllabus for further information. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Humanities

ARTH200 Art Appreciation (3 hours)

This course provides a survey of the visual arts, which is directed at understanding how to read the global visual world. Building from basic terminology and fundamental analysis, to more complex concepts of understanding art, the course provides tools for examining, analyzing, interpreting, and writing about works of art. Topics will include the political, religious, socio-cultural, and aesthetic functions of painting, sculpture, architecture, camera arts, and new media. No prior art classes or experiences are required.

ARTH210 American Art (3 hours)

This course provides a survey of the visual arts in America. Students will learn how to look at, write about, and interpret major works of art that represent the best of the American achievement from the beginning to the present day. Topics will include the political, social, religious, cultural, and aesthetic functions of painting, sculpture, filmmaking, photography and other media. No prior art classes or experiences are required.

ARTH220 World Architecture (3 hours)

This course will introduce the history of the built environment, from the Prehistoric Era to the contemporary world of globalization. This survey includes environmental, religious, and political/ideological impulses which form the history of architecture. While examining the major movements within their appropriate socio-cultural contexts, emphasis is placed on terminology and concepts relating to construction, style, and significant innovations.

ARTH221 American Architecture (3 hours)

This course provides a chronological survey of American architectural history from the earliest settlements through modern times. This survey includes environmental, religious, and political/ideological impulses which form the history of American architecture. While examining the major movements within their socio-cultural contexts, emphasis is placed on terminology and concepts relating to construction, style, and significant innovations. No prior art classes or experiences are required.

ARTH230 Ancient and Medieval Art (3 hours)

This course will survey the arts of Egypt, the Near East, Classical Greece and Rome, and Medieval Europe, from about 2500 BC to about 1400 AD. Topics for consideration include the great variety and richness of artistic expression of these different cultures, and some of the general problems of how art historians understand and write about art. There will be a thorough examination of the social context of art: its historical circumstances, context, patronage, the influence of the individual artist, and the role of those who have been the patrons and viewers of art. There will be an examination of what constitutes understanding and explanation in art history, as the individual approaches a work of art and attempts to grasp its various meanings. Works of sculpture, architecture, wall and vase painting, mosaic, manuscript illumination, and other media will be examined, in an attempt to understand the works in their physical, historical and social context.

ARTH231 Renaissance to Modern Art (3 hours)

This course is a survey of art, architecture, sculpture, and other art objects from the Renaissance to the Modern era. Students will also be introduced to a format for describing, formally analyzing, and interpreting works of art. Methods for art historical research will be included in the course.

ARTH241 Film and Literature (3 hours)

This course is designed to enhance students' appreciation for the history and traditions of American film. Students will investigate traditional as well as non-traditional film images, themes, techniques, and styles.

MUSI200 Music Appreciation (3 hours)

Spanning the Middle Ages through the twenty-first century, this course offers a thorough introduction to the elements of music, a broad overview of the history of musical styles, including cultural contexts and perspectives.

Undergraduate Course Descriptions

Information Technology

DSIN121 Web Page & Web Site Design (3 hours)

This course introduces students to the concepts of Web site design, including Web project management, the Web site development process, and ethical and legal issues in Web development. The course provides hands-on experience with Web page layout, navigation, typography, Web graphics, color, color theory, web safe colors, HTML and the evolution of markup, XML, XHTML, structural elements (tables and framesets), cascading style sheets, site content and metadata. It also explores readability, interactivity, navigation, usability and accessibility, browsers and design considerations, audio, motion, multimedia, and the impact of these design elements on the performance of the web site. Students will need access to Microsoft Internet Explorer and Firefox. This software is not provided by the course material grant and must be purchased/provided by the student. This course covers lessons 1-16 of the Web Design curriculum of the CIW Web Design Specialist certification.

DSIN141 Image Enhancement using Adobe Photoshop (3 hours)

Graphics are valuable tools for communication in Internet applications. This course introduces the student to the principles and practices of image manipulation, image enhancement, and image storage. The student will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, the impact of image size and resolution on screen size and resolution, brightness, contrast, image noise, noise reduction, digital signal processing (blurring, de-blurring, Gaussian filters, sharpening, softening, spot healing, dodging, burning), transparency, opacity, hue, saturation, image layering, color blending (multiplying, dodging), image transformation (rotation, resizing, shearing), selections (pixel, vector), alpha channels, and image modes (grayscale, RGB, CMYK, HSB, indexed color). Students must have access to Adobe Photoshop CS6 (or higher). This software is not provided by the course material grant and must be purchased/provided by the student.

DSIN143 Design Using Adobe InDesign (3 hours)

This course is a study of the principles, practices, processes, and disciplines related to designing print media for maximum communication. This course evaluates the process for planning, preliminary negotiations, pre-visual research and analysis, visual conceptualization, points of view, attitude, document design, document production, and post-production. This course examines the principles of typographic design, word design, page organization, page layout, integration of words and images, character styles, paragraph styles, layout design, tiling, scaling, textures, and illustrations. This course investigates color theory, additive and subtractive color models, complementary colors, patterns and rhythms. Students will apply their knowledge to design flyers, brochures, CD/DVD covers, and product packaging. Students must have access to Adobe InDesign CS5 or higher. This software is not provided by the course material grant and must be purchased/provided by the student.

DSIN241 Illustration & Design Using Adobe Illustrator (3 hours)

This course examines the process of designing, developing, and deploying text and graphics in the industry standard vector graphics software application, Adobe Illustrator CS5 or higher. Students will develop illustrations that take advantage of the broad set of tools, effects, and attributes available in Illustrator. They will learn to edit existing vector graphics files, and how to structure and manage vector graphics files for maximum efficiency and effectiveness. They will learn to format files for use in other applications and for output to a variety of imaging devices. Students must have access to Adobe Illustrator CS5 or higher software.

DSIN242 Motion Graphics Using Adobe Flash (3 hours)

This course examines the process of designing, developing, and deploying text and graphics in motion in order to create a dynamic and interactive experience for the web user. Students will develop storyboards, perform interaction design, animate type, and set illustrations in motion. Students will examine and apply the theories and concepts behind developing illustrations, character animations, layers, frames, masks, symbols, libraries, motion tweens, shape tweens, nested objects, animated shows, and ActionScript. They will add audio and video to enhance the quality of the visual experience. Adobe Fireworks will also be introduced. Students must have access to Microsoft Internet Explorer 7.0 (or higher), Adobe Fireworks CS5 (or higher), Firefox 2.0 (or higher), and Adobe Flash Professional CS5 (or higher) software. This software is not provided by the course material grant

and must be purchased/provided by the student. This course covers lessons 24–29 of the Web Design curriculum of the CIW Web Design Specialist certification.

ENTD200 Fundamentals of Programming (3 hours)

This course introduces students to writing computer programs. The class presents the principles of structured programming using the BASIC language, perhaps the most common language for personal computers. Because of its ease of use it is ideal as a first programming language and runs on both the PC and Macintosh platforms. The course is designed for people without previous programming experience who do not necessarily plan on becoming professional programmers. However, the knowledge gained in the class can be applied later to other languages such as C and Java. Participants learn to solve problems logically by breaking them into smaller pieces, which can then be solved. Topics include: introduction to computing - how does a computer work?; input and output - getting information to and from the user; variables and expressions - performing arithmetic; data statements - reading information from inside the program; text files - reading information from other files; arrays - groups of variables; debugging - finding errors in your program; graphics - graphs, boxes, shaded areas; and formatting - changing how things look on the screen. Alice, an innovative 3D programming software, is used to provide a more interactive and accelerated learning experience in this course. Students should download Alice and conduct system checks by validating the best version for their computer before enrolling into the course. Go to the www.alice.org website for more information.

ENTD211 Introduction to Software Design (3 hours)

This course will introduce standard notations and metaphors and patterns used in software design, so that the learner becomes familiar with reading and interpreting design documents. Familiarity with design patterns and modeling notations allows software developers, even those who do not actively participate in producing design documents, to better understand software documentation, before, during, and after system implementation. Familiarity with object-oriented programming languages is strongly encouraged. NOTE: Alice, an innovative 3D programming software, is used to provide a more interactive and accelerated learning experience in this course. Students should download Alice and conduct system checks by validating the best version for their computer before enrolling into the course. Go to the www.alice.org website for more information.

ENTD261 Scripting Languages for the Administrator (3 hours)

This course introduces the scripting languages necessary in custom programming for server administration and security purposes. Introductory level programming will be covered using scripting languages such as JavaScript, VBScript, Windows Shell Script, Perl and BASH. Previous programming experience is recommended.

ENTD311 Analysis and Design of Information Systems (3 hours)

This course is an overview of the system development life cycle. Emphasis on current system documentation through the use of both classical and structured tools/techniques for describing process flows, data flows, data structures, file designs, input and output designs and program specifications. Discussion of the information gathering and reporting activities and of the transition from analysis to design.

ENTD313 Mobile Application Design and Development (3 hours)

This course is an introductory study of mobile application design and development and how mobile devices enhanced by mobile application software are changing the face of technology. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding software such as iOS, Palm webOS, Symbian OS, and Windows Mobile, which use customized application software on various mobile devices. The course cements a theoretical overview of mobile application, design and development issues, and practical application concerns. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

ENTD321 Object Oriented Programming and UML (3 hours)

This course is a study of the principles, practices, and technical architecture and development characteristics of Object Oriented Programming and an examination of the differences between object oriented programming and traditional programming. It examines objects, instances, classes, inheritance, polymorphism, encapsulation, abstraction, methods, attributes, tight-encapsulation, interfaces, type casting, type conversions, and object libraries. This course differentiates between single-

inheritance model and multiple inheritance models. This course also explores the foundations of the Unified Modeling Language (UML), class models, state models, and interaction models. (Prerequisite: ENTD200 OR ENTD211)

ENTD322 Application Development for the Droid (3 hours)

This course is a study of application development for the Motorola Droid and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding Motorola Droid. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the Android platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. (Prerequisite: ENTD200 OR ENTD211)

ENTD331 Application Development for the Blackberry (3 hours)

This course is a study of application development for the Blackberry mobile device and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding the Blackberry devices. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the Blackberry platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. (Prerequisite: ENTD200 OR ENTD211)

ENTD333 Application Development for the iPhone and iPad (3 hours)

This course is a study of application development for the iPhone and iPad mobile devices and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding iPhone and iPad mobile devices. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the iOS platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course. Students need the latest XCode installed, which is available from the Appstore, and XCode must be installed before class begins. Students must have access to an Apple Inc. computer with XCode installed to successfully complete this course. Students also need intermediate level programming experiences and/or knowledge to do well in the course. Students must have previous programming experiences using an object-oriented C-based language such as C#, Java, or C++. (Prerequisite: ENTD200 or ENTD211 or ENGR200 (for Engineering majors))

ENTD361 Enterprise Development Using VB.NET: Introduction (3 hours)

This course is a study of the .NET framework. Students will examine the differences between Visual Basic (VB) and VB.Net, the Common Language Runtime (CLR), Microsoft Intermediate Language (MSIL), the XML Web Services platform, .NET Framework Class Library, and examine Visual Studio.NET and Visual Basic.NET (VB.NET). They will create classes, properties, methods, constructor methods, sub-procedures, and function-procedures. They will handle events, explore datatypes, build Window forms and Web Forms, add and interact with controls, specify events, develop event-handling code, and add menus. They will also evaluate ADO.Net, choose an ADO.Net provider, connect to a database, and perform database interactions. Students must have access to Visual Studio 2008 or Visual Basic 2008 Express Edition (or higher). This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD371 Database Driven Web Applications Using PHP & MySQL (3 hours)

This course focuses on the roles and functions of relational databases in the management of information; it will be taught from a mixture of analytical and practical methods. This course is a study and application of database architecture, logical schema, the full life cycle database application development process, and the principles of relational database design in the context of the MySQL Relational Database Management System (RDBMS). Students will examine the rudiments of referential integrity and normalization and use the ANSI standard Structured Query Language (SQL) to design, develop and deploy databases. They will use PHP to interact with the database, to extract data, deploy it on the web, and examine the syntax and constructs of the language, cookies, system functions, user-defined functions, sessions, and database connectivity. The student will also explore the PHP Framework, PHP syntax, cookies, sessions, database connectivity, database-driven web interfaces, and interactions with ODBC compliant relational databases. Students must have access to MySQL 4.1 (or greater) database software. This software is

not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: INFO221 and ENTD200 or ENTD211)

ENTD381 Object Oriented Programming With Java (3 hours)

This course is a study and application of the principles and concepts of Object-Oriented Programming (OOP) as it is implemented in the world of Java; including inheritance, encapsulation, and polymorphism. It appraises the processes and practices used to develop IT solutions that are reusable, modular, and small; all of which are popular objectives in the world of IT management. This course explores the inheritance (is a), containment (has a), and collaboration (use a) relationships; and examines the major packages in the Java Class Library, strings, arrays, classes; instantiation, properties, methods, constructor methods, method overloading, method overriding, inheritance modifiers, access modifiers, interfaces, and packages. This course also assesses exception handling with the use of "try," "catch," and "finally." Students must have access to the latest edition of the Java Development Kit. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 or ENTD211 or ENGR200)

ENTD411 Application Development (3 hours)

This course covers issues of software project development from the application developer's perspective: from conception, to prototyping, to interfacing with analysts, supervisors/team leaders and management, through to product testing, release, and maintenance. Also covered are issues related to revision control, coding under stress, and strategies for dealing with budget and schedule overruns. Useful both for aspiring software engineers and those who would benefit from better understanding developers' issues. Particular attention is given to strategies for maintaining code quality, programmer productivity, and coding and design standards under budget, staffing, and time constraints. Lateral versatility of the developer within project roles across a project's life span (such as often occurs in small software companies) are also emphasized.

ENTD412 Systems Engineering (3 hours)

This course takes an in-depth look at key concepts and techniques for system engineering and analysis. It explores the life cycle approach of bringing systems into being. The course will examine the various methods and techniques for integration system design within the system engineering process. Students will examine essential systems concepts, methodologies, models, and tools needed to avoid costly and disruptive systems, which are a result of poor requirements definition and analysis. Students must have access to MS Visio 2000 or higher.

ENTD413 Advanced Mobile Application Design and Development (3 hours)

This course is an advanced study of mobile application design and development and how mobile devices enhanced by mobile application software are changing the face of technology. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding the subject. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications into the target platform environment. The course allows the students to experience maximum amount of application and retention of material covered in the course.

ENTD461 Enterprise Development Using VB.NET: Advanced (3 hours)

This course is a study of the theory and application of developing dynamic desktop and web-based applications using the .NET Framework and Visual Basic.NET (VB.NET). This course examines the architecture of the VB.NET IDE, the rudiments of the VB.NET programming language, the .NET Framework Class Library, OOP Design, Design Patterns, overriding members, overloading members, component-based programming, exception handling, interface-based programming, common windows controls, file management, control licensing, ADO.NET, connection pooling, and data validation. They will also interface with relational databases, use the GDI class library, draw graphics, perform graphic transformations, build MDI applications, and use access modifiers to control visibility. Students must have access to Visual Studio 2008 or Visual Basic 2008 Express Edition (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD462 Enterprise Development Using ASP.NET (3 hours)

This course is a study of the theory, concepts, and applications of the Active Server Page (ASP.NET) web development

environment. Students will learn about working with the page (HtmlForm class, error handling, tracing, page personalization, and rich page composition), the ASP.NET object Model (request, response, server, session, application, global.asax file, and collaborative data object), data providers (managed providers, SqlConnection class, and SqlCommand class), data containers (SqlDataAdapter, DataSet, DataTable, and DataView objects), data source based data binding, and managing the HTTP Request Context and life cycle. The student will also manage and establish state across HTTP connections, explore caching, and examine ASP.NET's security architecture ("session hijacking," Forms authentication, membership and role management, and security related controls). Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition software (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD463 Enterprise Development Using C# (3 hours)

This course is a study of the C# language and its object-oriented facilities to create applications using the .NET Framework. Students will explore data types, classes, methods, parameters, properties, interfaces, iteration, conditional branching, constructor methods, and destructor methods. They will examine parameter passing, method overloading, method overriding, access modifiers, exception handling, and event handling. They will also create forms with controls, and with event handling for these controls. Students will also use Visual Studio.Net to set profiles, create projects, use the solution explorer, set references, set project properties, use the code editor, define assembly information, compile the code, run the application, and debug the program. Students must have access to Visual Studio software. Students must have access to Microsoft Visual Studio 2010 or Visual C# 2010 Express Edition or higher. (Prerequisite: ENTD200 OR ENTD211 and ENTD361)

ENTD464 Enterprise Development using .NET: Project (3 hours)

This course evaluates the process for designing, developing, and deploying .NET enterprise applications. This course is a culmination of courses on Visual Basic.Net, ASP.Net, and C#.Net; the student will apply the knowledge and skills learned in these courses to develop and deploy a web-based application. This course investigates the process for configuring the .Net Framework and examines the issues related to project integration and application deployment. Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition (or higher) and Microsoft Access 2007 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

ENTD465 Application Development for Windows Mobile Operating Systems (3 hours)

This course is a study of Microsoft application development for mobile/embedded devices. The course expands on concepts introduced in the mobile application design and development course and expands into more advanced topics regarding application development using Microsoft's software. The course will cover scenario based exercises and requires students to use assigned tools to write, test and deploy mobile software applications. The course allows the students to experience maximum amount of application and retention of material covered in the course. (Prerequisite: ENTD200 OR ENTD211)

ENTD481 Enterprise Development using J2EE (3 hours)

This course focuses on the concepts and principles of designing, developing, and deploying N-Tier Java based enterprise web applications. It examines the architectures, the process, the Java Servlet life cycle, and the practices for developing and deploying Java Server Pages (JSP), Java Servlets, and JavaBeans based enterprise web applications. This course also explores the concepts of Java Database Connectivity (JDBC), connection pooling, exception handling, data integrity, and transaction controls. It assesses the impact of enterprise web architectures and applications on global ecommerce and economies. Students must have access to the latest edition of the Java Development Kit, J2EE Development Kit, and J2EE Web Server. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD381)

INFO111 Enterprise Data Presentation with Crystal Reports (3 hours)

This course is a study of the principles of data presentation and the use of Crystal Reports to visualize data. Students will explore the facilities of Crystal Reports (Design Window, Toolbars, Field Explorer, Database Expert, Record Sort Expert, Group Expert, Formula Workshop, Formula Editor, Select Expert, Section Expert, Business Views, and Repository). They will export and import data to MS Office Applications such as Word and Excel. They will parameterize reports, conditionally format reports, customize the appearance of reports, build custom functions, create business views, specify data security, and control user access. Students must have access to Crystal Reports software. This software is not provided by the course material grant and must be

purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO161 or INFO171 or INFO221)

INFO161 Relational Databases with MS Access: Introduction (3 hours)

This course focuses on the role, function, and operations of relational databases in the management of information. The course will be taught from a mixture of analytical and practical methods. This course introduces the student to the concepts of relational databases and to the principles of relational database design in the context of the Microsoft Access Relational Database Management System (RDBMS). Students will apply their knowledge of the principles of data design and database engineering to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation. They will examine the rudiments of referential integrity and normalization and apply this knowledge to design the database tables that implement validation rules to ensure application integrity. They will also examine and develop advanced queries such as: top values, list of values, cross tab, find duplicates, and find unmatched. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. The book meets the topical requirements for the Microsoft Office Specialist (MOS). Course software requirements with the appropriate versions are listed under the course materials site.

INFO171 Relational Databases with Oracle: SQL Introduction (3 hours)

This course is a study of data modeling and database design. It applies the relational database model to construct Entity Relationship (ER) diagrams using ER Modeling. Through a study and application of the American National Standards Institute (ANSI) Standard Structured Query Language (SQL) constructs the course introduces data definition (create, alter, drop), data manipulation (insert, update, delete), and transaction control (commit, savepoint, and rollback), and defining, altering, and deleting primary keys, foreign keys, and constraints. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

INFO221 Relational Database Concepts (3 hours)

This course is an introduction to the concepts, management issues, and advantages of relational database management systems. Topics include data definition, data manipulation, relational algebra, Structured Query Language (SQL), and Online Transaction Processing (OLTP) systems. This course examines database design, normalization for OLTP systems, Codd's rules for OLTP systems, data integrity, database system functions (journaling, forward recovery, backward recovery), database security (authentication and authorization), and database administration. This course also explores distributed databases, Online Analytic Processing (OLAP) systems, data warehouses, and object-oriented databases. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

INFO261 Relational Databases with MS Access: Advanced (3 hours)

This course focuses on developing Microsoft Access Switchboard applications; it includes: designing and building form and report interfaces, interfacing the Access database to a web page, building dynamic web pages, integrating Access with other Office applications such as Excel, building pivot tables and charts, categorizing the various types of join operations, examining the rudiments of the Visual Basic for Applications (VBA) code, debugging VBA code, creating macros and functions, and designing Access applications. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO161)

INFO262 Relational Databases with MS Access: Project (3 hours)

This course is a study and application of the MS Access VBA Programming; it takes you from using Access to programming with Access. This course translates ERD diagrams into database designs, examines the VBA programming model, converts macros to VBA code, delves into the rudiments of the Visual Basic for Application (VBA) language system, uses the VBA editor, uses VBA to connect to Access, utilizes VBA to perform DDL actions in Access, creates sub procedures, implements functions, handles errors, performs debugging, and utilizes the built-in functions. This course also includes implementing database access in Windows-based and Web-based solutions. This course also includes an examination of the Security Model in the context of Access and VBA.

Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO261 and INFO221)

INFO271 Relational Databases with Oracle: SQL Intermediate (3 hours)

This course is a study and application of the American National Standards Institute (ANSI) Standard Structured Query Language (SQL) constructs for an advanced level of data definition (create, alter, drop), data manipulation (insert, update, delete), and transaction control (commit, savepoint, and rollback). The course builds on the techniques learned in the introductory course for database design and implementation. It explores the database life cycle through conceptual, logical, and physical design phases. The course examines the correlation between SQL and relational algebra; user access and control; transactional integrity; referential integrity; concurrency control; and database objects such as views, complex views, SQL functions, and sequences. Advanced topics discussed in the course include: database performance tuning, query optimization, distributed database systems, business intelligence, data analytics, data warehousing, cloud computing services, and the administration of database systems. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO321 Database Management Systems (3 hours)

This course is a study of major advancements in database technology that have taken place in recent years. It does not assume any prior background in the field of databases, and, hence, starts with basic introductory concepts, but covers advanced topics as well. The course will cover both conceptual and hands-on material in the area of database management, thus enabling students to have the maximum amount of comprehension and retention of material covered in the course. The student must have access to MS Access. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

INFO331 Management Information Systems (3 hours)

This course provides a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's management environment. This course covers the hardware, software, and infrastructure that support management information systems. Information and decision support systems, knowledge management and specialized information systems, database management systems, telecommunications, the Internet, Intranets, Extranets, and wireless networks will be examined. This course also covers systems development, e-commerce, and the ethical and societal impact of management information systems.

INFO361 Relational Databases with MS SQL Server (3 hours)

This course is a study of the principles of relational databases, the ANSI standard Structured Query Language (SQL), and the Microsoft Transact-SQL in the context of Microsoft SQL Server. Students will create, alter, and drop tables; create, alter, and drop constraints; create, alter, and drop views; and create, tune, and drop indexes. They will also build transactions, triggers, Transact-SQL queries, and stored-procedures. They will review triggers to implement data integrity and business rules. They will use DTS packages and transformations, the Enterprise Manager, Query Analyzer, and Database Configuration interfaces. They will also create and manage databases, database devices, backups, and restores; import/export data; and schedule automated tasks. Students must have access to Microsoft SQL Server software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO161 or INFO221 or INFO321)

INFO371 Relational Databases With Oracle: PL/SQL (3 hours)

This course is a study and application of the procedural language overlay on the ANSI standard Structured Query Language (SQL) to enable students to access tuples, one at a time. Knowledge of this complex procedural component will enable students to develop Programming Units that are characterized by block structure, control structures, variables, constants, operators, implicit and explicit cursors, and exception handling (both system- and user-defined). This course examines study and application of procedures, functions, packages, and triggers. Knowledge of procedures, functions, packages, triggers, events, restrictions on triggers, the trigger firing sequence, and the use of triggers to perform auditing functions. This course also covers Object-

Relational database concepts and Object Oriented Programming Structures (OOPS) and explores dependencies in Procedures and Functions. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO399 Information Technology Practicum (3 hours)

The field of Information Technology (IT) is multi-faceted; it includes technology areas such as database development, web based applications, business intelligence, visual communications, data analysis, software development, network security, cybercrime, digital forensics, security auditing, security certification, service delivery, and governance. The IT industry requires credentialed professionals that are academically sound and that have the ability to complete real world IT projects. This course provides an opportunity to integrate academic rigor with real world experience; to apply theory to solve real world problems, to make the learning experiential, to facilitate project-based learning, and to integrate scholarship with practice. This course is a supervised practicum; students must submit project plans and obtain Faculty member approval prior to beginning any work on the project. The requirements of the project plan will be provided in the syllabus; it should include the project sponsor, manager, scope, objectives, methodology, progress reporting, deliverables, and schedules. The student must also submit progress reports and a final report that includes an acceptance sign-off from the project sponsor. The Faculty member also has to approve the completed project in order for the student to earn a successful grade in this class. The student is responsible to have access to all the necessary software, documents, and other materials necessary to fulfill the requirements of this course. Enrollment is contingent upon the approval of the faculty member.

INFO471 Relational Databases With Oracle: Forms & Reports (3 hours)

This course is a study and application of the User Interaction for enterprise relational database systems. Topics include: the architecture of Forms and Reports interface, the anatomy of the Form Module and its various components, such as: blocks, frames, items, attributes, editors, windows, canvases, messages, alerts, menus, and objects. This course also examines the implementation of data integrity using various types of triggers, including: input, non-input, message, alerts, query, validation, navigational, and transactional; it also addresses reusability and interface efficiency using modular Program Units, Libraries, Menus, and Pop-up Menus. This course is also a study and application of the theory, concepts, and applications associated with parameterized and non-parameterized Data Retrieval and Analysis. It also appraises report template libraries to standardize reports for the enterprise; and the Reports Server to manage and disseminate reports across the enterprise. Students must have access to Oracle software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. (Prerequisite: INFO171 or equivalent)

INFO498 Information Technology: Capstone (3 hours)

This capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology. The student will complete an approved academic project and paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, and assesses their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Technology courses have been satisfactorily completed. Students must have senior standing in the program and must demonstrate that they have taken all other IT courses in their degree plan prior to registering for this course. (Prerequisite: Senior Standing and ENGL101)

ISSC321 Computer Systems Organization: Intermediate (3 hours)

This course is a study of computer systems, computer organization, computer subsystems, and operating systems, This course examines CPUs, motherboards, basic input/output systems, memory subsystems, bus structures, expansion cards, ports, connectivity, interfaces, data storage subsystems, and multimedia interface devices. This course also evaluates computer monitoring, computer systems management, operating systems, networking, and security. This course covers the A+ Certification Essentials curriculum.

ISSC322 Computer Systems Organization: Advanced (3 hours)

The course is an advanced study of computer systems and subsystems, processor design, CPU architecture, number systems used

in computing, storage subsystems, and memory subsystems, This course also examines the OSI model, networking, , security, performance management, and capacity planning. This course covers the CompTIA A+ Certification curriculum. (Prerequisite: ISSC321)

ISSC323 Computer Hardware Systems (3 hours)

This course is a technical study of the hardware systems and architectures in a computer system; it appraises expansion cards, storage subsystems, IO interface subsystems, operating system, Local Area Networking (LAN), Internet connectivity, and security. This course also examines the processes for analyzing problems and for synthesizing solutions related to computer hardware systems.

ISSC325 Biometrics (3 hours)

This course presents an introduction to biometrics, the study of recognizing individuals based on their unique physical or behavioral traits related to computer and information security. Authentication, authorization, identification, and access control through biometric perspective are emphasized. The course orients practical applications of biometrics in the real world, providing a realistic view of the use of biometrics within the emerging threats in information security.

ISSC326 Cloud Computing (3 hours)

This course will delve into all aspects of a Cloud Computing implementation, starting from a definition of what it actually means and assessment of whether it is suitable for a given company to the strategy alignment, implementation and operation of a working solution. It will cover Infrastructure-as-a-Service, Platform-as-a-Service, and Software-as-a-Service as the many integration and management components that are necessary to make this work together to fulfill business requirements.

ISSC331 Legal Issues in Information Security (3 hours)

This course examines information security issues and the law. The rapid growth of technology has given rise to legal issues surrounding technology. Information security is the practice of protecting information to ensure the goals of confidentiality, integrity and availability are met. Information security makes sure that accurate information is available to authorized individuals when it is needed. When governments, private organizations, and individuals do a poor job of protecting the information entrusted to them, legislatures respond with new laws. The course will examine key conflicts involving technology and the legal system to include: privacy issues, civil, criminal, and administrative law, Children’s Online Privacy Protection Act (COPPA), Sarbanes Oxley, and information security governance. This course examines current literature on such topics.

ISSC340 Local Area Network Technologies (3 hours)

This course introduces the student to local area networking concepts in an easy to understand way. In today’s competitive business world, one needs to have a basic understanding of the networking technology that runs it. Whether they choose to delve full bore into the technical side of networking or use what they learn to make an informed decision regarding the design, implementation, and maintenance of their local area network, this course will give the student a good foundation to build upon. Students must have access to MS Visio software. Course software requirements with the appropriate versions are listed under the course materials site. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category.

ISSC341 Introduction to Networking (3 hours)

This course is a study of the evolution, the concepts, and the principles of local, distributed and enterprise networking. This course examines Network design, topologies, architecture, media, interface cards, protocols, problem resolution, communications, administration, operations, and resources. It introduces the student to the concepts of wireless networking, and web-based networks. This course also explores the Open Systems Interconnection (OSI) and the Transmission Control Protocol/ Internet Packet (TCP/IP) reference models. This course also examines internetworking servers, and hardware and operating systems maintenance. Students will need access to Microsoft Internet Explorer with Outlook Express, Microsoft Visio or equivalent network diagramming software, Java Runtime, Phex, and FineCrypt. The software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site.

ISSC342 Operating Systems: Hardening and Security (3 hours)

This course is a study of the principles and concepts of Network Security from the perspective of the Operating System (OS). It places emphasis on discovering the vulnerabilities of the standard Operating Systems (OS) to attacks and focuses on the methodologies and measures necessary to take a proactive and preventive stance to address security vulnerabilities. Students will examine the principles, practices, and policies related to hardening and securing Operating Systems so they are impervious to security threats. It focuses on the vulnerabilities and the related countermeasures of various Windows components (Domain structures, domain trusts, security account manager, policies, profiles, file system, IP services (DHCP, DNS, IIS, TCP/IP printing, RPC, RIP for Internet protocol, SNMP), DCOM, Registry, Active Directory, Encrypting File System (EFS), IPSec, and public key certificate services). This course also discusses vulnerabilities and countermeasures related to UNIX (file system, access control, UID, GID, root password, console password, password shadowing, UNIX kernel, IP services, Inetd, TCP wrapper, variants (AIX, IRIX, Solaris, Linux), "r" services, finger services, Telnet, FTP, Gopher, HTTP, and SSL). Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC343 Wireless Networks (3 hours)

This course offers a framework for learning the latest developments and trends in ad-hoc wireless and mobile communications. The course provides a complete coverage of the wireless ad-hoc networks: principles, protocols and applications. The course will look at the characteristics and operations of contemporary ad-hoc wireless network technologies. Students will study the impact of wireless transmission and user mobility with an emphasis on the design and management of ad-hoc wireless mobile systems. Students must have access to MS Visio software. Course software requirements with the appropriate versions are listed under the course materials site. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category. (Prerequisites: MATH110, MATH111, MATH125 or MATH225)

ISSC344 Open Source System Security (3 hours)

This course is an introductory study of the principles, practices, procedures, and methodologies to provide security on Linux systems. It assesses the security risks, threats and vulnerabilities related to individual and enterprise Linux environments. Course topics include: user privileges and permissions, file systems volumes and encryption and kernel security risk mitigation. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

ISSC345 Service Oriented Architecture (3 hours)

This course examines the various aspects of a Service-oriented Architecture (SOA). It explores the comprehensive plan to interrelate business with technology. It displays how SOA combines the talents and skills of an entire organization, with its requisite needs and computing know-how. It focuses on the necessary tools—processes, best practices, and standards—for developing a sound SOA, Service-Oriented Modeling: Service Analysis, Design, and Architecture. It also introduces a service-oriented modeling framework that employs an agile and universal business and technology language to facilitate analysis, design, and architecture initiatives.

ISSC351 Computer Forensics (3 hours)

The explosion in the use of the Internet and the ensuing growth in cybercrime have given rise to the field of computer forensics (also called digital forensics). Digital forensics is used to assemble digital evidence to prosecute cybercrime, analyze intrusions, mitigate risk, and for data recovery. This course examines the theory, best practices, and methodologies to conduct computer forensics investigations; it includes the ethical issues, data presentation, and chain-of-evidence procedures. It also appraises current tools and technologies to analyze, acquire, and organize digital evidence. This course maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC361 Information Assurance (3 hours)

This course is a study of the discipline of Information Assurance that focuses on protecting information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation. This course delves into the deliberate engineering, planning and implementation of the five major areas in any enterprise: hardware, software, networks, people, and policies. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical III, Management II and Management III categories. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC362 IT Security: Attack & Defense (3 hours)

This course examines the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This course addresses the techniques, the technologies, and the methodologies used by cyber intruders (hackers) to select a target and launch an attack. An understanding into the mind and psyche of the hacker is essential to anticipating the moves of the hacker and to design effective countermeasures. This course focuses on techniques and technologies to detect such attacks even while the attack is in progress; early detection enables the administrator to track the movements of the hacker and to discover the intent and goals of the hacker. This course assesses the various countermeasures to keep the system out of the “sights” of the hacker and to keep the hacker out of the perimeter of the target network. This course also explores the laws and the legal considerations in prosecuting computer crime. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC363 IT Security: Risk Management (3 hours)

This course explores Networking Security from the perspective of risk management and confirms that assessment of IP based Network systems is critical to developing strategies to mitigate and manage risks. This course focuses on effective assessment strategies that ultimately help the student to implement effective and proactive risk mitigation measures and risk management practices. It exposes the vulnerabilities of TCP/IP; and appraises risk assessment, risk analysis, risk mitigation, risk management, networking components and Virtual Private Networks (VPN). This course examines the tools and techniques used to attack, test and assure the security of the remote information, maintenance, FTP, database, email, UNIX RPC, and IP VPN services. The student will apply this knowledge to develop an assessment methodology that identifies, attacks, and penetrates IP based network systems. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC364 IT Security: Access Control and Authentication (3 hours)

This course examines a broad range of network security issues. It explores how access controls protect resources against unauthorized viewing, tampering, or destruction and serves as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized access and disclosure. It focuses on access control, such as components, processes, controls, and authentication, as well as security breaches, organizational behavior and social engineering, physical security, remote access control, public key infrastructure and encryption, cryptography, testing, and information assurance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC366 IT Security: Cryptography (3 hours)

Cryptography provides a critical foundation upon which much of computer security is based. Cryptography is necessary to provide both integrity and confidentiality of the data that is exchanged in a computer network. There are many methods of encryption, and each has its strengths and weaknesses in terms of performance, security, and requirements for management of secret information used to hide or disclose information. This course will provide an intensive overview of the field of cryptography, providing a historical perspective on early systems, building to the number theoretic foundations of modern day cryptosystems. Students will learn how cryptosystems are designed, and to match cryptosystems to the needs of an application. Students will also study basic cryptanalysis and will be presented with real life breaches of common cryptosystems so that they better understand the dangers within cryptosystem design and in the design of systems that rely on cryptography. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC368 IT Security: Physical and Peripheral Defense (3 hours)

The course covers physical security requirements in a network enterprise on varying levels including physical protection against internal and external threats that may impact people, property, and other data and networked assets. Students will learn how to assess and protect these assets via multiple layers of physical security. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC386 Green Computing: Foundations and Strategies (3 hours)

This course provides a basic understanding of the overall environmental need for an organization to adopt a Green IT strategy including: Climate Change, dangerous and exploitive working practices, the effect of hazardous waste use and disposal, consumption of precious resources such as oil, gas and water. The course identifies an organization's external drivers and opportunities for greening its IT including: political, environmental, social and legal.

ISSC387 Green Computing: Advanced Topics (3 hours)

This course provides an overview of the current research focusing on ways to make computing greener and more efficient, the reference used in this course is the first research-level book devoted to green computing and large-scale energy efficiency. With contributions from leading experts in the field, the book presents current research and developments in hardware, systems software, run-time systems, programming languages, data center management, and applications. It also covers the emerging green movement in computing, including the Green Grid and the Green 500 list, as well as important programs in grassroots organizations and government agencies. (Prerequisite: ISSC386)

ISSC411 Application Security (3 hours)

This course is an introductory study of the principles, practices, procedures, and methodologies to ensure security of data within web-based applications. It examines secure coding practices and processes, web application security configuration management techniques, and web application security standards. It appraises the convergence between web application security and associated threat vectors/attack methods. It appraises secure development processes, web application secure configuration techniques, and legal issues related to securing vital digital assets. Course topics include: Secure Configuration & Development, Vulnerability & Risk Mitigation, Vulnerability Assessments & QA Testing, and PCI DSS Compliance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC421 Computer and Network Security (3 hours)

This course will discuss both computer and network security, from the wetware (human), software, and hardware perspectives. The "wetware" component will deal with identification of potential risk situations, establishing policies for avoidance, recovery, and prosecution, and proactive measures to reduce causal factors for security breaches in an organization. The "software" perspective will examine types of inappropriate software activity, as well as asset protection issues (recognizing software assets). This component will also address software tools available to assist in reducing administrative costs due to both malicious and accidental loss. The "hardware" component will address hardware approaches to protecting assets, as well as hardware techniques used to compromise assets. Specific technologies discussed include firewalls, symmetric key encryption, public key encryption, digital certificates, and cryptographic systems (SSL/TLS, VPNs, and Kerberos). Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC422 Information Security (3 hours)

This course allows students to examine a broad range of computer security issues and provides the student with technical knowledge not normally addressed in traditional training. It explores the protection of proprietary information and security planning with an emphasis on networked computer vulnerabilities. It also focuses on detection (e.g. viruses, hackers, types of computer crime, computer forensic examination, etc.), as well as disaster recovery and technology law. A primary focus is put on security of systems and computer crime prevention. Also addressed is the maturing criminal population with increased computer literacy, whose tendency is to move from violent actions to more profitable computer crime. Finally, issues of privacy and freedom of information are examined. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical II and Management I categories. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC424 Virtualization Security (3 hours)

This course is an introductory study of virtualization security including the types of virtualization, the importance of securing virtualized networks and discussions of the various virtualization program offerings. The course will provide an overview of the current virtualization technologies in use in most environments. Course topics include: Introduction to Virtualization, VMware ESXi on Linux, Microsoft Virtualization, Citrix Xen Virtualization, Sun Virtualization, Red Hat Enterprise Linux Virtualization, and Virtualization Security. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC426 Cloud Security and Privacy (3 hours)

This course will provide necessary guidance to build a proper audit to ensure that operational integrity and customer data protection, among other aspects, are addressed for cloud based resources. This course will serve as a cloud computing reference for auditors and IT Security Professionals. It will also provide information to assist in preparing for an audit addressing cloud computing security and privacy for both businesses and cloud based service providers. (Prerequisite: ISSC326)

ISSC431 Database Systems Security (3 hours)

This course is an introductory study of the principles, practices, procedures, and methodologies to ensure security of data at rest within databases. It appraises the convergence between database security and associated threat vectors and attack methods. It examines database types, security architecture, platform fundamentals, user administration, password management, security models, virtual private databases, and auditing models. It reviews database security processes, security configuration techniques, and auditing checklists. Course topics include: Secure Architecture, Privilege Management, and Auditing Processes. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC441 Network Telecommunication Concepts (3 hours)

This course provides a solid background of fundamentals to tomorrow's information systems professionals. Data communications keeps a balance between the super-technical and the watered-down subject, providing a solid understanding not only of how things work, but how they can be applied to create business solutions. This course also covers technologies such as Bluetooth, highly elliptical orbiting satellites, V.92, code division multiplexing, and wireless technologies.

ISSC451 Cybercrime (3 hours)

The rapid change in technology and the exponential growth in the use of the Internet have resulted in an increase in the number of computer and technology related crimes. This course is designed to provide students with the foundational knowledge and technologies needed to detect, investigate, and prevent computer related crimes. Topics to be covered include: cybercrime classification (hacking, denial of service attacks, cyberstalking, cyberbullying, virus dissemination, identity theft, electronic funds transfers, phishing, spoofing, Internet fraud, access device fraud and salami attacks), vulnerability of computer systems and computer applications, computer intrusions and attacks, the impact of cybercrime (social, economic, and legal), investigation of digital evidence, computer forensics, and the prevention of cybercrime. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351)

ISSC452 Cybersecurity (3 hours)

This course examines the practices for assuring information security. The various roles and functions within the Cybersecurity practice will be combined and leveraged to produce a secure organization. Case studies will be used to examine theories and practices drawn from real world situations. The numerous pitfalls of Cybersecurity will be presented with everyday practices of securing companies resources from attack. This course will examine the frameworks, roles, and competencies involved with information security. The fundamentals of Cybersecurity will be examined to include: network and security concepts, attacker techniques, data security, system and applications security and incident response techniques. Current literature will be examined on such topics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC455 Digital Forensics: Investigation Procedures and Response (3 hours)

This course is an introduction to Computer Forensics Investigation Procedures and Response. It provides a basic understanding of the importance of computer forensics, how to set up a secure lab, the process for forensic investigation including first responder responsibilities, how to handle various incidents and information on the various reports used by computer forensic investigators. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC456 Digital Forensics: Investigating Wireless Networks and Devices (3 hours)

The growth of wireless networking technologies has given rise to many security issues. Wireless technology has become popular because of its convenience and low cost. This course pertains to the study of Computer Forensics Students will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. An overview of cybercrime and security will be addressed by explaining the basic security procedures and will include discussions of the various security threats that today's users face. This course will prepare students to gather all necessary information and evidence to support prosecution in a court of law. This course will examine wireless networks and devices and will discuss how to investigate wireless attacks, as well as PDA, iPod, iPhone, iPad, and Blackberry forensics. Current literature will be examined on such topics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC457 Digital Forensics: Investigating Network Intrusions and Cybercrime Security (3 hours)

The increase in the use of the Internet and ensuing growth in cybercrime have given rise to the field of digital forensics. Students

will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. This course examines computer related crime and abuse cases in order to gather all necessary information and evidence to support prosecution in a court of law. Collection of evidence, investigating information hiding, and intrusion response techniques will be explored. This course will examine network intrusions, network traffic, web attacks, DoS attacks and corporate espionage. Current literature will be examined on such topics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC458 Digital Forensics: Investigating Data and Image Files (3 hours)

This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of steganography, data acquisition and duplication. It examines how to recover deleted files and partitions and image file forensics. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC459 Digital Forensics: Hard Disc and Operating Systems (3 hours)

This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of file systems, hard disks and digital media devices. Boot processes, Windows and Linux Forensics and application of password crackers. (Prerequisite: ISSC340 or ISSC341 or ISSC343 AND ISSC351 or ISSC451)

ISSC461 IT Security: Countermeasures (3 hours)

This course is a study of Network Security attacks and countermeasures. This course examines various security technologies, such as: intrusion detection, authentication, session hijacking, sniffing, spoofing, denial of service, buffer overflow attack, port scanning, encryption, IPSec, DES encryption, triple DES encryption, message digest 5 algorithm, point-to-point tunneling protocol (PPTP), layer 2 tunneling protocol (L2TP), Kerberos, RSA Pretty Good Privacy(PGP), Secure Shell (SSH), Secure Sockets Layer (SSL), Stateful Packet Inspection (SPI), Network Address Translation (NAT), proxies, content filters, public/private keys, Public Key Infrastructure (PKI), Virtual Private Networks (VPN), security policies, security tokens, digital certificates, viruses, worms, Trojan horses, virus scanners, virus protection, vulnerability assessment, and vulnerability scanners. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC471 IT Security: Auditing (3 hours)

Security is one of the most important concerns in the world of Information Technology. This course examines the technical issues and the administrative practices to implement and manage security; in particular, this course focuses on the principles of security auditing. This course explores the various technologies and tools to assist with discovery and auditing in the world of security management. This course also assesses the audit practices, audit processes, audit plans, discovery process, discovery software, penetration strategies, identification of potential attacks, log analysis, user baseline analysis, activity analysis, risk assessment, roles and responsibilities, and the roles and responsibilities of security auditing professionals. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC481 IT Security: Planning and Policy (3 hours)

This course examines the principles of security planning and policy. It focuses on a variety of security guidelines, policies and plans (security requirements, internal users, external users, operational costs, geography, capacity plan, growth plan, business organization, business scenarios, business factors, business processes, business functions, business products, product life cycle, technical factors, roles and responsibilities, and organizational authority). This course addresses physical security, authentication, network security, encryption, software development, email, Internet, acceptable use, acceptable speech, and viruses/worms. It also covers the need for actionable and maintainable policies and the need for periodic audits of policies and configurations. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC490 IT Security: Business Continuity (3 hours)

This course discusses both business continuity and disaster recovery planning. Business continuity investigates Risk Assessment &

Management, Business Impact Analysis, and Continuity Strategy Development. The strategy component focuses on incorporating preventive measures, sustaining critical functions, planning for emergency response operations, and implementing recovery plans. This course analyzes employee training & development, chain-of-command, communications, policies & procedures, and fire-drills. (Prerequisite: ISSC340 or ISSC341 or ISSC343)

ISSC498 IT Security: Implementation Plan: Capstone (3 hours)

This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Systems Security. Students will complete various security related plans and policies that demonstrate mastery of their program of study and results in a meaningful culmination of their learning; these plans and policies will be used to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Systems Security courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite: Senior Standing and ENGL101)

ISSC499 Senior Seminar in Cybersecurity (3 hours)

This Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward the Bachelors of Science in Cybersecurity degree. Students will examine a number of real-world scenario cases related to various aspects of Cybersecurity to complete various cybersecurity related plans and policies that demonstrate mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students should satisfactorily complete ALL core and major courses prior to this course. Student must have SENIOR standing to register. (Prerequisite: Senior Standing and ENGL101)

ITCC111 Basic Productivity Applications (3 hours)

This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the word processing application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Word to create and format documents; and use lists, themes, mail merge, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies. Students will also be introduced to the features and capabilities of PowerPoint, the presentation application in the Microsoft Office Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam--Using Microsoft Office Word 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office Word 2010 Certification; and contains a six month trial of Microsoft Office.

ITCC112 Advanced Productivity Applications (3 hours)

This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the electronic spreadsheet application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Excel to create and format spreadsheets; they will also manipulate data and use formulas, charts, workbooks, styles, hyperlinks, themes, functions, conditional logic, graphics, comments, and security features. Students will also be introduced to Outlook, the electronic mail application in the Microsoft Office 2010 Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam—Using Microsoft Office Excel 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office Excel Certification; and contains a six month trial of Microsoft Office.

ITCC113 Office Presentation Applications (3 hours)

This course is a study of the concepts and technology trends essential to office presentation, communication and productivity applications. Students will explore the principles, practices, features, and functions of PowerPoint, the presentation application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft PowerPoint to build and format presentations; and to use styles, templates, lists, tables, charts, hyperlinks, transitions, animations, graphics, multimedia, and digital signatures. They will also rehearse the timing of the presentation and prepare presentations for the Web. Students will also be introduced to the Microsoft Word, the word processing application in the Microsoft Office 2010 Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam—Using Microsoft Office PowerPoint 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office PowerPoint Certification; and contains a six month trial of Microsoft Office.

ITCC114 Office Communications Applications (3 hours)

This course is a study of the concepts and technology trends essential to office communication. Students will explore the principles, practices, features, and functions of Outlook, the electronic mail application in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will customize the Outlook program; and use messages, signatures, advanced email tools, digital signatures, delivery options, voting capabilities, mail management, rules, contacts, calendar functions, meetings, and tasks. Students will also be introduced to the Microsoft Word, the word processing application in the Microsoft Office 2010 Suite. This course uses the Microsoft Official Academic Course textbook that is aligned with Microsoft's Exam: Using Microsoft Office Outlook 2010. The book meets the topical requirements for the Microsoft Office Specialist (MOS): Microsoft Office Outlook Certification; and contains a six month trial of Microsoft Office.

ITCC121 Introduction to Computer Science (3 hours)

This course is an overview of computer information systems in which hardware, software, procedures, systems, and databases are explored in relation to their integration and application in business and other segments of society. Telecommunications and network concepts are introduced as a basis for understanding of the Internet and e-commerce capabilities.

ITCC200 Application Software Integration (3 hours)

This course is a study of the applicable skills and technology essential to application software integration. Students will explore the principles, practices, features, and functions of application software processing in the Microsoft Office 2010 Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Word, Excel, PowerPoint, Outlook, and Access to create and format documents; build databases and spreadsheets; and design and publish advertising and marketing documents on customized Websites through the use of hypothetical and real-world scenarios and problems. The course will allow students to experience a more comprehensive understanding of commonly used applications software and how they integrate to provide solutions.

ITCC231 Introduction to Information Technology Writing (3 hours)

This course provides a writing foundation necessary for an IT professional to identify and respond to communication needs within the IT environment, so that the professional can produce clear, concise, and appropriate IT documentation for peers and supervisors, with the ultimate goal of increasing organizational standardization and efficiency.

ITMG321 Information Technology Project Management (3 hours)

This course is a study of the planning and processes involved in an information system project. Its topics include planning, scheduling, and controlling aspects of a project during its life cycle. The use of project management techniques such as PERT (Project Evaluation and Review Technique) and Gantt charts will be examined in depth as will be other techniques of planning, scheduling and controlling projects. This course meets the topical requirements for the CompTIA Project+ Certification.

ITMG322 Project Management Using MS Project (3 hours)

This course is a study of the concepts and technology trends of Project Management. Students will explore the principles, practices, features, and functions of the Microsoft Project application. The course will be taught with a mixture of analytical methods and practical exercises. Students will create project plans, organize (estimate, budget, and schedule) tasks, perform and manage resource allocation, identify project constraints, determine a project's critical path, create Gantt Charts and establish a project baseline using Microsoft Project. Students must have access to Microsoft Office Project Standard. Course software requirements with the appropriate versions are listed under the course materials site

ITMG371 Contemporary Internet Topics (3 hours)

This course explores the Internet's impact on business and personal dynamics, from a managerial perspective. A review of current literature will examine such issues as: changes in workplace productivity, legal issues arising from company Internet use policies, staff morale in the face of nearly ubiquitous Internet access, institutional liability for employee conduct while on the Internet, telecommuting, and the impact of conducting personal business during work time. Non-workplace issues such as the impact of the Internet on family life, politics and the economy will also be explored.

ITMG381 Cyberlaw and Privacy in a Digital Age (3 hours)

This course examines how laws have had to change to account for the expanded realm of crimes in the digital age. Despite legislation intended to combat the problem of identity theft, it continues to be one of the most common crimes associated with the Internet. Sexual harassment complaints can now be triggered simply by an employee forwarding questionable email to fellow employees. Some regard intellectual property rights violations to be innocent flattery, while others consider them to be violations that must be stamped out by force of law. Plagiarism by students who pull content from the Internet is a growing problem. Stalkers can log into their victims lives and gain access to highly confidential medical and financial information, and even sabotage their victim's reputations. This course examines current literature on such topics.

ITMG421 Virtual Management (3 hours)

This course is designed to provide an overview of key individual, group, and organizational issues involved in Virtual Management (technology-assisted employee management). Topics include gauging employer and employee readiness for technology-enabled communication and telecommuting; identifying appropriate job types and flexibility options; applying effective communication strategies and methods when utilizing computers and telecommunication technologies; and implementing and evaluating management procedures and policies in flexible organizations.

ITMG471 Information Systems: Policy and Planning (3 hours)

The course focuses on the use of information technology in the design and management of modern organizations including governments and not-for-profits. Information is now recognized as an essential resource in its own right. Technical, organizational, and social aspects of the management of this resource will be covered.

ITMG481 Ethics in Information Technology (3 hours)

This course introduces students to issues and controversies that comprise the new field of Cyberethics. The course examines a wide range of ethical issues of moral responsibility towards social and ethical concerns which affect us in our daily lives. Other topics include machine ethics, conceptions of autonomy and trust, responsible innovation, ethical controversies related to ethical computing.

ITMG498 IT Management: Senior Seminar (3 hours)

This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other IT Management courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite: Senior Standing and ENGL101)

WEBD121 Web Development Fundamentals (3 hours)

This course introduces students to Web site development through a combination of readings and hands-on development exercises. This course covers the Site Development Associate curriculum of the CIW Web Foundations Associate certification. It also covers the Web Design curriculum of the CIW Web Design Specialist certification. It emphasizes Markup Language and Site Development Essentials, HTML5 Coding, Cascading Style Sheets (CSS) and Graphical Elements, Hyperlinks, HTML Tables, Web Forms, Video, Audio and Image Techniques, Extending HTML, GUI HTML Editors and Mobile Web Sites, Web Site Development for Business, JavaScript and DHTML Fundamentals, Plug-Ins and Java Applets, HTTP Servers and Web Applications, Databases, and Web Site Publishing and Maintenance. Fundamentals of JavaScript programming are also introduced in this course. Students will need access to Microsoft Internet Explorer and Firefox. This software is not provided by the course material grant and must be purchased/provided by the student. To succeed in this course, students will also need basic computer knowledge such as creating files and folders, downloading and uploading files, creating zipped files, and working with text editor such as Notepad++.

WEBD122 Introduction to Web Analytics (3 hours)

This course is an introductory study of Web analytics technology and how businesses and organizations may use the technology to measure website traffic, enhance business presence, and conduct market research. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and

retention of material covered in the course.

WEBD220 Web 2.0 Fundamentals (3 hours)

This course provides an introduction to Web 2.0 trends and technologies. Students will profile the various features, tools, communities, and practices available in Web 2.0. Also included is a survey of the concepts, tools, and practices used to build blogs and wikis. The course also reviews the various methods of posting information from the blog into web pages using RSS & Atom techniques. Students will also appraise other Web 2.0 technologies, such as forums, collaborative web sites, discussion boards, and wikis. Students will apply the knowledge gained in this course to design and create blogs and forums. Students must have access to a microphone.

WEBD222 Advanced Web Analytics (3 hours)

This course is an advanced study of Web analytics technology and how businesses and organizations may use the technology to measure website traffic, enhance business presence, and conduct market research. The course expands on concepts introduced from the Introduction to Web analytics course and expands into more advanced topics regarding the subject. The course will cover scenario based exercises and requires students to use free Web analytic tools to experience the maximum amount of application and retention of material covered in the course. (Prerequisite: WEBD122)

WEBD241 Web Development Using JavaScript (3 hours)

This course expands on the topics that were introduced in Web Development Fundamentals (WEBD121). This course introduces the student to fundamental JavaScript programming concepts such as variables and data, functions, controlling program flow (branching and iterating), the JavaScript object model (window, document, image, history, location, and navigator objects), and JavaScript language objects (String, Array, Date, and Math objects). This course also addresses the development of interactive forms with JavaScript, cookies and JavaScript security, controlling frames with JavaScript, and custom JavaScript objects. Students must have access to Internet Explorer 7 (or higher) or Netscape 4.0 (or higher) software. This course covers the CIW JavaScript Specialist curriculum of the CIW JavaScript Specialist certification. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: WEBD121)

WEBD242 Web Development Using XHTML (3 hours)

This course focuses on the theory and principles of various programming languages that are used on the web, with particular focus on HTML, XHTML, and DHTML. Students will explore the principles of Object Oriented Programming (OOP) and examine inheritance, encapsulation, and polymorphism. They will also examine the components of OOP languages; the scope, protocols and parameters for various methods, such as: dynamic text ranges (move, moveStart, moveEnd, moveToPoint, moveToElement, getElementById, getBookmark, compareEndPoints, setEndPoints, Expand, Collapse, FindText), transition ranges (blendTrans, revealTrans), event propagation (stopPropogation, addEventListener, removeEventListener), dynamic content (createAttribute, createElement, createTextNode, cloneNode), and dynamic styles (CSS) and dynamic positioning (CSS-P) (coordinate systems, absolute positioning, relative positioning, and dynamic data binding). Students will explore the principles governing the animation of text (pulsating text, expanding text, flying text, drag and drop). This course focuses on improving the user-application interactivity via dynamic content, animation, media (audio and video), forms, web-safe colors, styles, and Cascading Style Sheet (CSS).

WEBD262 Web Site Development Using DreamWeaver (3 hours)

This course is a study of the design and development of web sites using Dreamweaver. Students will use professionally designed templates to develop coordinated and sophisticated layouts for a multi-page website. They will work with Cascading Style Sheets (CSS), graphics (enhance, optimize, embed, and edit image properties), tables, templates, frames, forms, and snippets. They will also perform site management and use the extensibility feature of Dreamweaver. Microsoft Expression Web will also be introduced. Students must have access to Microsoft Internet Explorer 7.0 (or higher), Firefox 2.0 (or higher), Microsoft Expression Web 3, Adobe and Dreamweaver CS5 (or higher), and Opensource software tools. This course covers lessons 17-23 of the Web Design curriculum of the CIW Web Design Specialist certification. Students must obtain their own software for the course.

WEBD280 Web 2.0 Management Issues (3 hours)

This course covers the management aspects of Web 2.0. Web 2.0 is a growing trend by businesses to utilize the Internet for a new generation of business applications and personal knowledge management. This course focuses on the business and management aspects of Web 2.0 technology. Topics include Web 2.0 management, marketing, branding, psychological factors, sociological aspects, customer social networking, community building, relationship management, and organizational impact. Real world Web 2.0 business applications reviewed in class include: Flickr, Google, wikis, blogs, virtual reality (Second Life), and Facebook.

WEBD311 Internet Concepts (3 hours)

This course concentrates on the technical side of the Internet, examining network types, protocols, browsers, search engines, email communication and personal information management, multimedia on the Web, Internet services and tools [newsgroups, telnet, File Transfer Protocol (FTP), and instant messaging], Internet security (encryption, authentication, firewalls, malware, virus detection and prevention, spyware, updates and patches), and IT project management. This course also explores emergent Web 2.0 technologies such as social networking (MySpace), user created content (YouTube), Wikis, Virtual Worlds (Second Life), and online gaming. Students will need access to Microsoft Internet Explorer 7.0 (or higher) with Outlook Express. This software is not provided by the course material grant and must be purchased/provided by the student. This course covers the Internet Business Foundations curriculum of the CIW Foundations certification.

WEBD321 Web eCommerce Development (3 hours)

This course is a study of Web e-commerce development and how businesses and organizations may use the Web to buy and sell products and services online. The course begins with some basic introductory concepts and progresses into more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD322 Web Videography (3 hours)

This course teaches the basic principles of Web videography and how to use software such as Adobe Photoshop Elements to edit photos and videos and create movies to market product and services online. The course begins with some basic introductory concepts and progresses into more advanced implementation of Web videography for promoting e-commerce and addressing other business requirements. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD323 Search Engine Optimization (3 hours)

This course introduces concepts and strategies for successful search engine optimization (SEO). It examines different kinds of searches including image searches, local searches, and industry-specific vertical search engines. Additional topics such as link building, site structure improvements, conversation tracking, research and development keyword strategic development, and understanding barriers of search engine optimization are addressed for the purpose of increasing a website's relevance and to determine how people search for products and services.

WEBD324 Web Content Management Systems (3 hours)

This course is a study of Web content management systems and how users may manage the content of their websites anywhere by using features such as easily creating new Web pages, building in-site search engines, uploading files and images, creating photo galleries and videos, and adding, deleting and editing users with a variety of permissions. The course begins with some basic introductory concepts and progresses into more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

WEBD341 Enterprise Data Exchange Using XML (3 hours)

This course is a study of the concepts and applications of the Extensible Markup Language (XML), a general-purpose markup language that can be used to formally specify special-purpose markup languages. This course will be taught from a mixture of analytical and practical methods. Topics include: the history of XML, the XML language, Data Type Definition (DTD), XML Schema, eXtensible Style Sheet Language (XSL), and eXtensible Style Sheet Language Transformations (XSLT). The student will bind values to elements to render them distinct and different from its other instances of that attribute and explore the power of XML.

as a tool for Enterprise Exchange in both the J2EE and .NET Software Development Frameworks. Knowledge of XML will enable the student to standardize and reuse reference text, paragraphs, and chapters.

WEBD361 Web Application Development Using ColdFusion (3 hours)

This course is a study of the design, development, and deployment of database-driven applications on the Internet using ColdFusion. Students will review the architecture of a ColdFusion application and understand the flow of ColdFusion applications and processing over the Internet. The student will use ColdFusion variables and functions, query relational databases, display and format data, evaluate form variables, and interact with forms. They will develop dynamic SQL, dynamic database search applications, data manipulation applications, client-side validations, and server-side validations. Students must have access to ColdFusion MX 7 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student.

Undergraduate Course Descriptions

Intelligence Studies

INTL300 Research Methods in Intelligence Studies (3 hours)

This course prepares students to employ basic research methods and writing skills to produce sound research papers and analytical products. Students will learn how to develop the elements of a research strategy, critically read and evaluate data, and communicate their findings in coherent, well-organized written work.

INTL301 U.S. Intelligence Community (3 hours)

RECOMMENDED AS SECOND PROGRAM COURSE. This course surveys the U.S. Intelligence Community, with an emphasis on its current structure. Students review the members of the community and distinguish their key roles and missions. Students also assess the impact of the post-9/11 restructuring of the intelligence community.

INTL303 Introduction to Intelligence (3 hours)

This course is an introduction to analysis and addresses the five principle categories of study in strategic intelligence: (1) The role, purpose, and history of strategic intelligence analysis; (2) the use of intelligence to carry-out foreign policy objectives; (3) The nature and evolution of congressional oversight; (4) the role of strategic intelligence collection to support strategic decision making; and (5) the role of counterintelligence at the highest levels of government.

INTL304 Intelligence Collection (3 hours)

A multidisciplinary survey of Imagery Intelligence (IMINT), Signals Intelligence (SIGINT), Human Intelligence (HUMINT), and Measurement and Signature Intelligence (MASINT) is conducted. The background, capabilities, and limitations of each intelligence collection method are covered. The course focuses on planning activities which provide an integrated approach to intelligence collection.

INTL305 Law and Ethics in Intelligence (3 hours)

This course examines the legal foundations and oversight mechanisms for the US intelligence community. It also explores the major ethical problems confronting the intelligence profession. Students will investigate the difficult legal and ethical issues in the intelligence community.

INTL401 Critical Analysis (3 hours)

This course provides an introduction to critical thinking, intelligence analysis, and the use of structured methodologies. Functions associated with the processing of information to include perception, memory, and the evaluation of information are examined. Conscious and unconscious cognitive biases along with strategies to mitigate their impact are also assessed. (Prerequisite: INTL300).

INTL402 Intelligence Analysis (3 hours)

This course builds upon the foundations of critical analysis taught in INTL 401, expanding the student's repertoire of analytical techniques. Students explore creative analysis techniques, including hypothesis generation, red-teaming, and adversarial collaboration. Students focus on intelligence as a service to decision makers, including principles of customer-focused writing and techniques for analytic problems designed to provide tactical, operational, or strategic support. (Prerequisite: INTL300).

INTL408 Counterintelligence Operations (3 hours)

This course provides students with an introduction to counterintelligence operations and techniques. Students will study passive and active counterintelligence measures, principles and processes of counterintelligence operations, its relationship to covert action, and the legal and ethical issues involved. Through a series of practical exercises, students will develop a sound knowledge of the practice of counterintelligence.

INTL409 Counterintelligence Analysis (3 hours)

This course provides students with an introduction to counterintelligence analysis of foreign intelligence entities. Students will learn and apply aspects of counterintelligence basic principles, concepts, core competencies, functions, and missions as outlined

in the US National Counterintelligence Strategy. Students will be instructed in the analytical process, denial and deception identification, analytical techniques, threat profiling procedures, and analytical tools and databases.

INTL410 Counterintelligence (3 hours)

During this course, students will develop a comprehensive knowledge of counterintelligence, and how intelligence agencies, organizations, and military units in the U.S. use both offensive and defensive counterintelligence to guard and protect U.S. national security interests from foreign intelligence entities. Students will study and analyze counterintelligence, learn and discuss multi-discipline counterintelligence support to intelligence operations, counterintelligence collection process, and analyze how cultural, social, and technological changes affect counterintelligence.

INTL411 International Criminal Organizations (3 hours)

This course differentiates historical and contemporary patterns, modus operandi, capabilities, and vulnerabilities of organized crime organizations. Course content includes a review of the contemporary literature of South American, Mexican, Asian, European, and African criminal enterprises, traditional organized crime, Outlaw motorcycle gangs and transnational criminal enterprises.

INTL412 Espionage/Counterespionage (3 hours)

This course studies the history of intelligence and espionage and reviews ancient espionage techniques, profiles famous agents throughout history, and focuses on such intelligence issues as SIGINT and HUMINT. The bulk of the course concentrates on 20th century intelligence, assessing changes in intelligence collection and priorities and analyzing how technological changes have affected intelligence collection.

INTL413 Denial and Deception (3 hours)

This course will be an overview of Denial and Deception possibilities. It will review the history, concepts, and implications of Denial and Deception on national security decision making. It will also discuss foreign and domestic case studies, tradecraft, and the different methodologies associated with this form of intelligence training.

INTL414 Intelligence and Assassination (3 hours)

INTL 414 Intelligence and Assassination is a study of both the historical and contemporary use of assassination, with emphasis on assassination or targeted killing as a means to counter terrorism. In the historical portion, the course focuses on assassination as a means for gaining and maintaining power. In the latter portion, the course focuses on assassination as a means of overthrowing governments and to counter terrorism. In this latter portion the course evaluates the use of intelligence and special operations forces and the role they play in the state's practice of assassination.

INTL415 Covert Action (3 hours)

This course provides a historical account of the use of covert action in both peace and war. Covert actions are those in which an operation may become known to the enemy or the world, but the responsible parties cannot be traced or proven. Current U.S. intelligence community and Special Forces capabilities and limitations for covert action are also covered.

INTL419 Applied Geospatial Intelligence (3 hours)

This course is an exploration of the historical development, capabilities and the constellation of remote sensing and other intelligence collection platforms available for use by decision makers in intelligence driven policies, homeland defense, and law enforcement. The focus will be on how geospatial products are applied to produce analyses of terrain, climate, natural resources, boundaries, various infrastructures, demographics, and intent and capabilities of various nations and groups in the context of the geospatial environment.

INTL421 Signals Intelligence and Security (3 hours)

This course examines Signals Intelligence also known by the acronym SIGINT. It covers the various methods and modes of collection, analysis and use of strategic and operational level communications (COMINT) and electronics (ELINT) intelligence. The course also reviews the security means available to protect friendly communications (COMSEC) and electronic emissions countermeasures (EECM).

INTL422 Open Source Collection (3 hours)

This course provides and examination of the various unclassified materials including: news services, data bases, government documents, newspapers, journals, magazines, yearbooks and surveys, radio and TV sources, short-wave broadcasts, internet, indexes, materials from various organizations, and country studies.

INTL423 Human Intelligence (3 hours)

This course is an introduction to Human Intelligence (HUMINT). The course will define and examine HUMINT in context with the other intelligence collection disciplines. Through the use of focused discussion supported by directed readings and by applying critical thought to an incremental research project that requires a HUMINT solution, the student will understand the dynamics and functions of human source intelligence as a discipline.

INTL424 Interrogation (3 hours)

This course examines intelligence interrogation from a conceptual perspective that provides students with the tools to develop an overall understanding of interrogation and practical interrogation concepts as they can be applied to intelligence interrogation. This course addresses legal issues, verbal and non-verbal behavior, interrogator and subjects, environmental and cultural issues, coercive practices, as well as current events as they apply to the concepts of intelligence interrogation.

INTL431 Criminal Intelligence Analysis (3 hours)

The rapid increase in multinational analysis and transnational organized crime, corporate drug trafficking organizations, and the impact of crime on national and international policy has created a critical need for law enforcement intelligence experts in the relatively new field of criminal intelligence. The course provides the student with an introduction to the methods and techniques of criminal intelligence analysis and strategic organized crime. It will demonstrate how to predict trends, weaknesses, capabilities, intentions, changes, and warnings needed to dismantle criminal organizations.

INTL432 Geographic Information Systems I (3 hours)

Geographic Information Systems (GIS) contain a powerful set of tools for data acquisition, management, query and display. This course will provide students first with a substantial foundation in the history of cartography and mapmaking. The second major emphasis of this course will merge both theoretical and historical information with hands-on practical training utilizing the basic tools provided with the GIS software. Students will become familiar with the importance of metadata, editing and updating metadata and how this is important to the success or failure of the dataset as a whole.

INTL433 Geographic Information Systems II (3 hours)

Using the ArcGIS software, students will be taught how to manipulate datasets based on complex queries in several advanced platforms within the GIS environment including geospatial analyses, creating basic models, interpolation among multiple data points, and advanced data table editing and creation. Students will learn methodologies for determining the presence or absence of patterns and identify associations among different data layers. Additionally, students will be taught to examine cases where GIS could have been used but was not, and postulate how this system could have improved analysis within each case. This course will focus on vector data analysis techniques only. (Prerequisite: IS418 Geographic Information Systems I). (Prerequisite: INTL432).

INTL434 Threat Analysis (3 hours)

With states as the level of analysis, this course examines their political, economic, and social condition which allows an understanding of threats to the state and their vulnerabilities. This course provides students with analytic procedures to assess a state's military capabilities, strengths and weaknesses of their political and economic systems, and challenges presented by their social systems.

INTL440 Cyber Warfare (3 hours)

This course provides an overview of cyber warfare and the potential impact of its use by military, terrorist, and criminal organizations. By studying the operation of computer networks, the student will gain an appreciation of how they have both benefited society and made portions of its infrastructure more vulnerable. An overview of cyber weaponry will be presented, and various offensive and defensive strategies will be examined via case studies

INTL442 Tactical Intelligence (3 hours)

This course examines the impact of terrain and weather on tactics, employment of multi-discipline intelligence collections, and principles of tactical intelligence analysis form the core of the course. Students develop an appreciation for the limits of process in applying the art of intelligence to deal with tactical problems and how tactical intelligence theory and practice are utilized in support of ground operations.

INTL443 Foreign Intelligence Organizations (3 hours)

This course introduces students to several foreign intelligence organizations that continue to play a significant role in U.S. strategic intelligence, foreign policy, and national security strategy planning. Each country's organizational structure, their collection methods, operational strengths and weaknesses will be assessed with the objective of evaluating their overall relative effectiveness.

INTL446 Intelligence and Narcotics (3 hours)

This course surveys the role of narcotics and the illicit drug trade as risks to national security, international development, and progress. The purpose is to assess both domestic and foreign intelligence gathering and analysis, with an emphasis on counter-narcotics policies and strategies. Students will be able to critically analyze, strategically assess effective intelligence collection, and evaluate the impact of current drug interdiction efforts by federal domestic and international agencies.

INTL450 Terrorism and Counterterrorism (3 hours)

This course examines terrorism as a social and political instrument from past to present. Topics include comparing insurgencies and terrorism, the paths to radicalization, the roots of extreme Islam, U.S. domestic terrorism issues, counter terrorism, national & domestic intelligence resources employed against terrorism, and a review of U.S. National Security Policy regarding terrorism.

INTL451 Terrorism and U.S. National Security (3 hours)

This course assesses the impact of terrorism on U.S. national security. With a focus on essential elements related to terrorism as well as on U.S. anti-terrorism and counter-terrorism policies and their challenges, the student will develop a comprehensive understanding of how the United States views terrorism and how its lasting threat affects national security.

INTL453 Illicit Finance (3 hours)

Modern criminal business, to include drug trafficking, trafficking in people or weapons, gold and precious gem smuggling, and even terrorism are reliant on how such activities are funded. Without some form of funding, illicit actors and illicit behaviors would have difficulty existing. This course will explore the shadowy world of illicit finance, from money laundering to Hawalas, to fraud, trade, and corruption used to fund illicit actions.

INTL454 Forecasting Terrorism (3 hours)

This course examines the theoretical underpinnings of the phenomenon of terrorism, actual and planned cases of chemical and biological weapons use, and the modern threat of improvised weapons of mass destruction. The course surveys traditional and newer methods of forecasting terrorism: intuition-based, profiling, conflict vulnerability analysis and prognosis (early warning), etc. It concludes with a brief overview of the state of the terrorist threat almost a decade after 9/11

INTL461 Iraq Country Analysis (3 hours)

Explores the development of the future Iraqi state. Students first study Iraqi history through the 2003 fall of Saddam Hussein. The role of ethnic and religious rivalries is covered in-depth. Post-2003 stability and development activities are also investigated.

INTL490 Independent Study: Intelligence (3 hours)

An opportunity for Intelligence students to pursue an independent research project or examine a specific area of Intelligence and its history under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member. Students will produce a major research paper (30+ pages). To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

INTL498 Senior Seminar in Intelligence Studies (3 hours)

The Senior Seminar in Intelligence Studies is required for all majors. This capstone experience for Intelligence Studies majors will review and integrate their academic coursework, strengthen their understanding of intelligence research methodologies, and relate their academic preparation to their post graduation goals. Students will conduct original research and present their findings to the class in written and e-portfolio formats. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

International Relations

IRLS210 International Relations I (3 hours)

An overview of the field of international and global politics. The nation state, factors of power, collective security, international trade, regional and international organization, sources of conflict and convergence are addressed.

IRLS211 International Relations II (3 hours)

This course analyzes international relations from 1945 to the present. Students will become thoroughly familiar with events and major interpretive issues. Topics include the Cold War, decolonization, the role of the United Nations and other non-governmental organizations, the development of international terrorism, the Arab-Israeli and Persian Gulf conflicts, and the Korean and Vietnam Wars. (Prerequisite: IRLS210).

IRLS213 Political Geography (3 hours)

September 11 and its aftermath, the ongoing conflicts in the Middle East and South Asia and debate over the nature and effects of globalization all highlight the importance of political geography as a means of understanding the world around us. This course examines the relationship between earth and state. World political phenomena are studied from a geographic perspective, including international boundaries, territorial seas, and landlocked states. This course emphasizes the practical application of geography to political events.

IRLS214 American Foreign Policy (3 hours)

This class examines the elements and practice of American Foreign Policy. It reviews the history of American Foreign Policy and ideology, and then examines the actors, tools and processes of US foreign policy. This class emphasizes current foreign policy issues, including policy geared toward national security.

IRLS220 African Peoples and Cultures (3 hours)

A study of the peoples and cultures of the continent, stressing sub-Saharan groups. Starting with the colonial era and earlier cultures, the major focus is on the contemporary scene, including the effects of the African diaspora.

IRLS240 European Peoples and Cultures (3 hours)

An exploration of the rich diversity of cultures and societies of Contemporary Europe. Critical reading of recent ethnography will be used to examine themes such as the formation of national identities, ethnicity and migration, rural life and traditionalism, family and kinship, popular religion, and urban development. The European Union is analyzed as a potential transformation of Europe into a new system of European government that could supersede the nation-state.

IRLS260 Middle Eastern Culture (3 hours)

This course covers geography, culture, society, economy, and religions of the major ethnic and linguistic groups in the Middle East. The course will introduce students to important events and developments, such as the changing concepts of politics in Islam; the evolving sociological bases of states and societies in the Middle East; and the early impact of Europe on the Middle East, first through trade and then through colonialism.

IRLS300 Comparative Political Systems (3 hours)

Introduces major theoretical approaches to the comparative study of politics. The student applies these approaches to government institutions, the policy-making process, political participation, economic structures and social change for both state and non-state actors.

IRLS301 International Organizations (3 hours)

Examines the role of and interrelationship of international organizations, nation-states, and non-state actors in the global system. North-South and East-West relations are discussed in terms of specific global issues: crisis management, conflict resolution, human rights, refugee problems, international finance, developmental assistance, world trade, and globalization.

IRLS302 International Development (3 hours)

A detailed study of the history, theories, and practices of global development initiatives with particular concentration in the prevailing views and practices of the 1960's-contemporary times. A look at development in light of broader political constructs that influence the development of nations.

IRLS310 Introduction to Human Security (3 hours)

This course introduces students to the international relations subfield of human security. A broad overview of the security issues affecting humans, their communities, and as a result global stability are the focus of this course.

IRLS322 African Politics (3 hours)

This class provides an introduction to contemporary African politics. Specifically the course examines the historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

IRLS331 Asian Politics (3 hours)

This course examines historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This course surveys the governments of selected countries to include China, Japan and Korea. Topics will emphasize the interaction between economic development and political changes, as well as the conflict between traditional norms and modern institutions. This course includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

IRLS332 Asian Peoples and Cultures (3 hours)

This course will provide students with an overview of Asian cultures, by focusing on political, religious, and philosophical aspects of various Asian societies. Specifically, we will analyze and discuss the historical and cultural dynamics of China, Japan, and Korea. Also considers the central influence of Confucianism and Buddhism, among other key philosophies, on East Asian cultural norms. The course identifies connections between the past and the present, with an eye on anticipating future trends.

IRLS343 Government and Security of Russia (3 hours)

Explores historic, cultural, economic, and geographic traits that characterize the Russian state and shape the domestic political processes and interstate relations. Critically compares the politics, governments and orientations of post-Soviet states and other regional powers. Surveys contemporary regional issues such as ethnic conflict, nationalism and political-economic reforms, with a particular emphasis on security concerns.

IRLS344 European Politics (3 hours)

This course focuses on comparative evaluation of Europe paying particular attention to challenges facing the continent such as migration, ethno-nationalism, and terrorism. It will also focus on opportunities for European countries to work together, including NATO, OSCE, and the EU.

IRLS355 Latin American Politics (3 hours)

This course is designed to familiarize students with the politics of contemporary Latin America. The course will cover such topics as the various types of political systems found in Latin America, the political economy of development, and the issue of regime transition.

IRLS357 Latin American Peoples and Cultures (3 hours)

Latin America is comprised of dozens of countries, and despite several common languages, each country possesses its own set of unique cultural aspects. Latin America is a complex mixture of Native American, European, North American, African and even Asian influences, spanning two continents and several thousand years of collective history. This class presents an overview of the multitude of cultures present in Latin America.

IRLS360 Global Politics of Islam (3 hours)

The purpose of this course is to provide a comprehensive survey of the politics of Islam in the global context (both within and across states). While a portion of the class will be dedicated to the Middle East, we will also focus on parts of the globe where

Muslims form a significant minority, e.g., the U.S., Western Europe, Russia, and China. This is an interdisciplinary class, meaning that we will discuss religion, history, culture, and identity in addition to politics. We will explore the implications of past and present U.S. foreign policy in the Muslim world and historical and current relations between Islam and the “West.” Additionally, we will address conflicts within Islam, transnational Islamist movements such as Hizb-ut Tahrir and Al Qaeda, and the role of pan-Arab media such as Al Jazeera. This is a reading-intensive course. Students will be expected to think critically, interpret texts, and formulate their own ideas in verbal and written form.

IRLS392 Globalization and the Market Economy (3 hours)

Based on a theoretical analysis, a detailed study is undertaken of the globalization of the market system and its impact on population growth, urbanization, political governance, and traditional values in various nation-states and regions.

IRLS400 Human Rights (3 hours)

This course provides an overview of human rights, their history, codification, and the various debates that surround human rights discourse. Additionally various human rights topics are analyzed. The course provides students with a thorough understanding of how human rights and human security are intertwined.

IRLS402 International Law and Regimes (3 hours)

This course focuses on the role that international law and international regimes play in global governance. Students will examine the international legal framework that governs state relations, including international organizations and norms, ordering principles, treaties and international regimes.

IRLS405 National and Transnational Justice (3 hours)

This course provides an overview of many transitional and transnational justice approaches. Beginning with Nuremberg through to the International Criminal Courts, students will gain a thorough understanding of the global justice endeavors and their connection to human security.

IRLS409 Environmental Security (3 hours)

This course provides an overview of environmental security by examining environmental threats such as climate change, water scarcity, consumption patterns, urbanization, resource extraction and usage, food security, and globalization. The course provides students with a thorough understanding of how environmental security and human security are intertwined.

IRLS412 Comparative Foreign Policy (3 hours)

An analysis of the foreign policy and policy-making process in various regions of the world. Specific case studies allow the student to assess national priorities and ideological commitments in the post-Cold War era.

IRLS413 International Conflict Resolution (3 hours)

This course examines the application of conflict resolution theories to interstate crises and civil wars by international organizations like the UN and NATO, states and ad hoc coalitions of states and non-government entities. The focus will be on the post-cold war conflicts.

IRLS414 Principles of Peacekeeping (3 hours)

This course is an examination of the fundamental principles behind peacekeeping, to include the political, managerial, military, and humanitarian aspects of the peacekeeping process. Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

IRLS415 Peacekeeping Logistics (3 hours)

This course explores logistics in United Nations peacekeeping operations. Students will gain an understanding of the concepts, principles, and strategies that govern logistical support for UN peace operations. Emphasis is placed on building an understanding of the role, responsibilities, and limitations facing those who manage logistics for UN peace operations. This includes challenges surrounding funding and rapid deployment, as well as the advantages and challenges associated with public/private partnerships and a multi-dimensional approach to peacekeeping logistics. This course offers a unique advantage, in that completion of this

course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate, once this course is completed.

IRLS416 The North Atlantic Treaty Organization (NATO) (3 hours)

This course will explain how an alliance of nations, formed to protect its member countries from a re-emergence of post-World War II Germany, transformed itself in order to protect Western Europe from the Warsaw Pact. It will delve into how an alliance that was purely defensive in origin evolved into an organization that conducted offensive operations in Bosnia-Herzegovina and attacked a sovereign nation in an attempt to bring peace to Kosovo. It will conclude with a study on the possible future of NATO in the changing environment of Europe and America. The scope of this course focuses on the role of the North Atlantic Treaty Organization (NATO) since its founding to the present. The course includes the formation of the Alliance, the study of the member countries military forces, the organization and purposes of the various NATO Headquarters, the role of NATO in the Cold War, and the role NATO is playing today in the stabilization of Europe.

IRLS417 International Civil Order (3 hours)

This course explores the unique role of international civilian police in peacekeeping operations. Students will gain an understanding of the principles, strategies, operational and tactical considerations that shape the way that international civilian police establish a rule of law that is effective enough to support emerging democratic societies and build sustainable peace. Emphasis is placed on the roles, responsibilities, challenges, and risks facing international civilian police, as well as their relationships with other international actors. This course offers a unique advantage, in that completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate, once this course is completed.

IRLS430 U.S. National Security and the Pacific Basin (3 hours)

Asian security is of top concern to US geostrategic thinking. East Asia, for instance, is projected to become the center of the world's economy, technological innovation, and hegemonic power. U.S. national security policy recognizes this element of the international security environment and anticipates that American involvement in Asia will likely increase over time, making alliances and relationships in this region even more important. This course will highlight the changes in these interests and the actions that these and other states in the region take to advance their interests and, therefore, influence U.S. national security strategy and policy.

IRLS460 Government & Security in the Middle East (3 hours)

Examines historic, cultural, economic, social, religious, and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. Surveys the governments of selected countries, considering factors such as legitimacy and political development. Includes a survey of contemporary issues salient in the region, including the Arab-Israeli dispute, with particular focus on regional security concerns.

IRLS463 Arab-Israeli Conflict: Contemp. Politics & Dipl. (3 hours)

This course will trace the origins, evolution and development of the Arab-Israeli conflict from the early 20th century to the present. The course follows a thematic and chronological schema, drawing on a variety of sources. Considerable focus and attention will be given to the current and ongoing conflict between Israelis and Palestinians.

IRLS464 Middle Eastern Political Economy (3 hours)

This course will provide students with an overview of the intersection of politics, policy, and economics in the context of the Middle East. Specifically, the course focuses on the basic concepts and characteristics necessary for understanding political economy and development issues in the Middle East. Students will study the historical political and economic trends, nationalism, identity, borders, inequality, poverty, corruption, growth trends, resource based issues, labor, migration, gender, education, and various social issues underpinning Middle East Political Economy.

IRLS468 Politics and Security in the Persian Gulf (3 hours)

Politics and Security in the Persian Gulf course explores political, social, economic, and cultural issues that are relevant to the contemporary Gulf politics and security. In this context, this course also examines the impact of external powers within the

region; and thus, the correlation of this impact with the rise of vulnerabilities and implications both at the regional and global levels.

IRLS490 Independent Study: International Relations (3 hours)

Individual study or research of a selected topic conducted on a tutorial basis. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.(Prerequisite: IRLS210).

IRLS491 Special Topics in International Relations (3 hours)

This course allows the students to examine an emergent issue or event in this field of study. The course will be taught in a structured seminar format. Students are required to complete a research project.

IRLS492 Senior Seminar in International Relations (3 hours)

This senior capstone course allows students majoring in International Relations to analyze specific issues at the global level that would include: armaments, disarmament and proliferation; nationalism and world order; terrorism; peacekeeping; drug wars; political development and revolutionary change in less developed countries; and the organized use of force. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other International Relations courses have been satisfactorily completed. Student must have SENIOR standing to register.

IRLS493 Capstone Middle Eastern Studies (3 hours)

This senior capstone course allows students majoring in Middle Eastern Studies to analyze specific issues at the regional level including the role of religion, culture, politics, security, economic issues. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other Middle Eastern Studies courses have been satisfactorily completed. Student must have SENIOR standing to register

Undergraduate Course Descriptions

Legal Studies

LSTD100 Introduction to Law for Paralegals (3 hours)

This is the foundation course for the program. This course requires no previous legal background and introduces the student to the paralegal profession, the legal system, legal research, writing, and analysis, and other aspects of the law and the law office. This course will provide practical problem exercises of the type faced in an office environment; help the student develop the requisite paralegal skills; and presents a variety of the ethical issues and perspectives that paralegals face today. The overall theme is to address a broad range of paralegal topics in a contemporary law office environment.

LSTD201 Litigation (3 hours)

This course gives the students a broad overview of the litigation process and the specific role of the paralegal. This course is an introduction to and the exploration of the process related to civil litigation and the procedures normally the responsibility of the paralegal in preparing materials for trial. Coverage will include information gathering, interviewing, organizing, and preparation of materials for trial. It includes general information on the litigation process and practical exercises to help the student learn to implement the role of the paralegal, such as how to conduct an initial fact finding interview. The course will give an overview of the structure of the court system.

LSTD202 Real Estate Law (3 hours)

This course is a study of real estate law, with emphasis on those portions of real estate law that are essential to the processes and functions of the real estate purchase, administration, financing, land use regulation, financial instruments, leases, and property rights. The law of real estate has traditionally consisted of laborious manual searches to ensure good title. The internet provides real estate attorneys and legal assistants with new tools and procedures for conducting real estate transactions. This course will prepare the student for these concepts and will introduce the student to the new world of the Internet as related to real estate law.

LSTD203 Criminal Law and Procedure for the Paralegal (3 hours)

This course will examine the practical aspects of criminal law and procedure as they pertain to the work of the paralegal. The course covers the nature of criminal liability, the elements of various crimes, and defenses to criminal accusations. The course will also cover criminal procedure, from search and seizure through trial and appeal. Constitutional issues relating to search and seizure, self-incrimination and other matters are explored in depth. Students learn how to prepare relevant legal documents.

LSTD204 Introduction to the Courts (3 hours)

This course is an introduction to the structure of the American court system. Topics include prosecution, right to counsel, pretrial release, grand jury process, and sentencing concepts. The course will assess the U.S Courts System and how it relates to the criminal justice system in America. Students will become familiar with the chronological events from the arrest process to sentencing and appeals. Students will be able to explain concepts of stop and frisk arrest, searches under warrant, and presentation of the case to the magistrate. Assessments of the criminal trial process and phases of pretrial and trial proceedings will be examined.

LSTD205 Legal Research and Writing (3 hours)

This course will assess the methods used to locate necessary legal materials and be able to evaluate the appropriate citations of those materials. The paralegal aspects are reviewed and distinguished from other judicial case briefings. The course will introduce legal analysis methods and the preparation of appropriate techniques for researching legal issues and cases. Critical definitions of legal terminology are analyzed and used in preparation of legal materials such as memoranda, client letters, and other relevant documents. The course presents the student with techniques for effective writing in the legal environment.

LSTD207 Civil Practice and Procedure (3 hours)

This course is an overview of civil practice and procedure and will examine the process that courts must follow when hearing cases of a civil nature. During the course of study, students will learn how a lawsuit is commenced, what kind of service of process is

required, the types of pleadings, motions, and orders allowed in civil cases, the timing and manner of depositions and discovery, the conduct of trials, the process for judgment, various available remedies, and how the courts and clerks must function. The course focuses on the legal skills involving interviewing and counseling for civil cases, the drafting of legal documents for civil cases, and legal ethics focused specifically on civil cases. Course topics include civil trial practices of pleadings, motions, discovery, pre-trial conferences, jury selection, trial protocols, and appellate strategies.

LSTD209 Sports Law, Risk, and Regulation (3 hours)

This course is a broad study and analysis of sports law and regulation. This course is rooted in the conviction that sports law is an intricate blend of contracts, regulatory schemes (including antitrust law, risk and liability concerns), and torts. Additionally, bargaining issues including unions, contract negotiation, and collective bargaining will be covered. This course will also examine risk assumption and liability as they relate to sports law. This class will also discuss relevant sports organizations (NCAA, NFL, etc.); Title X; drug testing of athletes; the role of sports agents; intellectual property issues; broadcasting law; and rules of athlete eligibility and participation. This course exposes the student to legal cases from the individual perspective of the player, coach, fan, owner, agent, and medical staff, in addition to leagues and administrative bodies, dealing with captivating subjects as varied as drug testing, gender discrimination, player violence and criminal conduct, breach of contract, player eligibility, product liability, endorsement contracts, and television broadcasting.

LSTD210 Legal Ethics (3 hours)

This undergraduate course introduces students to the ethics and professional responsibilities of the legal profession. Emphasis is given to the strict regulation of the practice of law and accompanying reasons, as well as the standard of care expected by those who work in the field. Important ethical issues, such as marketing, client relationships, fees, and communications are explored. Students will analyze the model rules and their practical applications.

LSTD299 Sophomore Seminar in Paralegal Studies (3 hours)

This course is a culminating course for the Associate of Science in Paralegal Studies degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Paralegal Studies. The student will complete an approved academic project or paper that demonstrates his or her grasp of the paralegal studies field. This is a culminating course to be taken after all other Associate of Science in Paralegal Studies courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in Paralegal Studies program.

LSTD300 Administrative Law and Policy (3 hours)

This undergraduate course is the study of the work of administrative agencies in the executive branch of the United States government with some additional material on administrative agencies in state and local governments. Administrative law and policy touches virtually every person in the United States virtually every day of the year. It is the administrative agencies that fill in the "details" of government policy. Indeed, administrative agencies are so important and so powerful that they are frequently referred to as the "fourth branch of government." This course will examine the position that agencies occupy in our constitutional system of government by carefully detailing the respective roles of the legislative, executive and judicial branches of government. The course will be mainly concerned with administrative procedure (i.e., agency rulemaking and adjudication, agency investigations, agency sanctions) but because it is almost impossible to distinguish between substance and procedure, the procedural elements of administrative law will be illustrated and discussed in the context of a specific agency action--e.g., the Environmental Protection Agency's actions on carbon emissions and global warming. The course will analyze the work of the "independent regulatory commissions" as well as those agencies that are completely under the control of the President of the United States. Both the legislative and judicial branches of our government have a large impact on administrative law, so the actions of Congress in creating and watching over the agencies and the actions of the courts in adhering to the rule of law for agency action ("judicial review of agency action") will be vital components of the course.

LSTD301 Constitutional Law (3 hours)

This course is an introduction to Constitutional Law, the Supreme Court, and other aspects of the legal system using the case analysis approach. Its concentration is on the study and analysis of United States Constitution. It emphasizes an in-depth study of the Bill of Rights, specifically those rights pertaining to Civil Liberties. Topics include: the historical events that led to the

development of the Constitution; principles governing the operation of the Constitution and the role of the U.S. Supreme Court and the Judiciary; characteristics and powers of the three branches of government; development of due process and individual protections to include right to speech, freedom of religion, right to bear arms, right to vote, and right to counsel.

LSTD302 Criminal Law (3 hours)

This course familiarizes the student with the basic law, procedures and rules that govern the criminal justice system in America. It is designed to produce students who can understand, appreciate and discuss the benefits and problems with the criminal justice system in America today. The students will become conversant with the Bill of Rights, basic criminal law terminology and procedures. The course emphasizes the principles of criminal liability and the acts, mental state, and attendant circumstances that are necessary ingredients in crimes against persons or property or in offenses involving theft, fraud, drugs, morality and decency, public peace, or public justice.

LSTD303 Family Law (3 hours)

This upper level undergraduate course introduces students to the legal and procedural requirements of family law. Students will explore various legal procedures and extrajudicial methods. Topics such as marital agreements, separation, divorce, alimony, custody, adoptions, domestic violence, cohabitation, and same-sex marriages will be covered. Emphasis is placed on linking theory to practice.

LSTD304 Military Law (3 hours)

This course is designed to provide students with a solid knowledge of US Military Law through the study of the evolutionary process, politics, and motivation that has led to the current status of US Military Law. Topics include the history of military law, US Military Law, statutory basis, legal system, and basic application. It will also include an analysis of current events as related through the press, where military law is involved.

LSTD306 International Law (3 hours)

This course introduces students to the nature, development, principles, and processes of the law that applies among nations. Students will evaluate the various implications of state sovereignty as viewed through the prism of public international law. Specific topics include the sources of international law such as custom and treaty, the role of international organizations such as the United Nations, the bases of international jurisdiction, and international norms governing recognition, nationality, the global environment, protection of human rights, and the use of force. This course introduces the student to the basic principles and practices of international law and legal regimes and examines traditional and emerging topics in the field: human rights, the Law of the Sea, the Law of Armed Conflict, War Crime Tribunals, and the International Criminal Court.

LSTD400 Criminal Legal Process (3 hours)

This is a procedural law course which includes an overview of the law of arrests, search, and seizure, the making of bail, adjudication, pre- and post-trial activities and the nature of plea bargaining. Substantial emphasis is given the constitutional protections afforded through the Bill of Rights. This course examines procedures used by American police, prosecutors, and courts to bring criminal cases to trial and explores some of the defendant's rights at trial and on appeal. The course will consider the Common Law, constitutional, and statutory bases of procedural practices in American criminal law. The student will be exposed to a comprehensive overview of the processes involved in the use of criminal evidence including rules of evidence; arrests, searches, and seizures; interrogations, confessions, and non-testimonial evidence, impeachment and cross-examination of witnesses; opinion evidence; hearsay evidence; and articles and exhibits of evidence.

LSTD401 Maritime Law (3 hours)

This course is a study of the primary international and domestic laws governing navigation, naval operations, and maritime law enforcement. Students will study various aspects of the international law of the sea, maritime jurisdiction, and other laws and treaties dealing with such topics as maritime safety and security, drug trafficking, fisheries management, marine environmental protection, and piracy.

LSTD402 Immigration Law and Policy (3 hours)

This course is an introduction to immigration law and policy. Its concentration is on the study and analysis of governing immigration laws and the application of those laws to immigration practice. Current immigration policies and procedures will also

be analyzed and discussed. Topics covered include: historical developments and sources of immigration law, federal agencies governing immigration law and practice, admission procedures to the U.S. to include immigrant and non-immigrant visas and citizenship, removal (commonly referred to as “deportation”) laws and procedures, and relief from removal to include asylum, cancellation of removal, and other forms of relief.

LSTD453 Evidence (3 hours)

This undergraduate course will focus on the basic legal rules governing kinds of information which can be developed and received at trial, and how evidence may be considered by the trier of fact. Students will study how policies favoring probative evidence must be weighed against policies protecting against hearsay, opinion, prejudice, time consumption, and other harmful matters. Proper examination and impeachment of witnesses will also be explored.

LSTD497 Senior Seminar in Legal Studies (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Legal Studies. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Literature

LITR201 World Literature through the Renaissance (3 hours)

Readings in translation from a variety of cultures and authors from the Ancient World through the European Renaissance will be the focus of this class. Representative selections will be drawn from Classical Greece and Rome, China, India, and Western Europe. Readings include the major genres of epic poetry, drama, lyric verse, and prose fiction. Major themes include the warrior ideal, the relationship between the state and the citizen, and the pleasures of private life. (Prerequisite: ENGL101)

LITR202 World Literature since the Renaissance (3 hours)

This course presents readings and film selected from a variety of cultures and authors from the 17th century through the 20th century. Representative selections will be drawn from Western Europe, Russia, India, Asia, Africa and the Americas. Major themes include the individual's struggle to adapt to a changing, increasingly globalized modern world which threatens, objectifies, and often misinterprets other cultures. Emphasis is placed on a cross-cultural and cross-temporal understanding of gender roles, family obligations, and the many relationships that shape our lives. (Prerequisite: ENGL101)

LITR204 Contemporary World Culture Through Literature (3 hours)

This course examines aspects of contemporary world culture through literature. The course will take a dual thematic approach and geographic approach to issues that are particular to third-world/ developing countries, indigenous peoples, and authors in exile. Students will explore the impact of cultural concerns for an increasingly multi-cultural world. (Prerequisite: ENGL101)

LITR210 English Literature: Beowulf to 18th Century (3 hours)

In this course, students will study selected texts in English literature from Beowulf through the 18th century, including prose, fiction and nonfiction, drama, and poetry, with a focus on the historical and cultural contexts and issues relevant to the time. (Prerequisite: ENGL101)

LITR211 English Literature: 18th Century to Present (3 hours)

In this course, students will examine selected texts in English literature from the 18th century to the present, including prose, fiction, drama, and poetry, with a focus on the historical and cultural contexts and issues relevant to the time. Core authors include: Emily Brontë, Josef Conrad, Virginia Woolf and James Joyce. (Prerequisite: ENGL101)

LITR220 American Literature before The Civil War (3 hours)

Through early American literature, we have the unique opportunity to see and experience what the United States was like before the Civil War through the eyes of those who not only lived here, but helped create it. We will explore some of the most influential social pieces ever written and discuss why these are vital to the fabric of our nation. Think of all we can learn about the United States by studying those who write about it. (Prerequisite: ENGL101)

LITR221 American Literature from The Civil War to Present (3 hours)

This course examines the rapid social and technological changes that have taken place in American culture during the mid-to-late nineteenth and twentieth centuries, and how these upheavals have been expressed in our nation's literature. (Prerequisite: ENGL101)

LITR310 British Fiction (3 hours)

In this course, students will study selected texts in British literature from the start of written literature in the Anglo-Saxon period through the present. Specifically, the course will focus on fiction within the historical and cultural contexts, and issues relevant to the time. Analysis of the changing characteristics of literary movements through the centuries will be included in general discussion. Prerequisite: COLL300

LITR313 Shakespeare (3 hours)

This course will cover the major elements of some of Shakespeare's writings, including his histories, comedies, tragedies, and sonnets. The course will focus on the plays both as literature to be read and discussed as well as theatrical scripts for realization

in a performance setting. (Prerequisite: ENGL101)

LITR316 British Poetry (3 hours)

This course offers a chronological survey of British poetry from the Anglo-Saxon era through the twentieth century. The poetry will be examined within the social and cultural contexts in which it was produced. (Prerequisite: ENGL101)

LITR320 American Fiction (3 hours)

This course provides an examination of American society and culture through literature, using fiction that covers different eras, personalities, and issues. Stress is placed on characterization and other literary techniques, as well as on the nature of American society itself and fiction's place in that society. (Prerequisite: ENGL101)

LITR322 American Poetry I (3 hours)

This course provides a survey of the major American poets, poetic style, and poetry from colonial to contemporary times, examining in the process what a poem is and how meaning is created through the use of literary devices. (Prerequisite: ENGL101)

LITR323 The Life and Art of Ernest Hemingway (3 hours)

This course examines the genius and influence of Ernest Hemingway and his works on world literature. Students will study works selected for the sort of quality and precision that would define Hemingway's art of writing and earn the respect and recognition of the Nobel Committee for his "powerful, style-making mastery of the art of modern narration."

LITR324 African-American Literature (3 hours)

This course will cover African-American literature from the earliest times to the present; development of prose and poetry, the novel; and the evolution of African-American political and social discourse through literature. (Prerequisite: ENGL101)

LITR328 The Legends of King Arthur (3 hours)

This course provides a survey of traditional and modern King Arthur legends focusing its attention on Arthur himself as well as other prolific characters. Emphasis will be placed on analysis of Arthur and his primary companions through discussion board interaction and critical response essays that culminate in an independent research project investigated by each student that will maintain the overall theme and direction of this course.

LITR330 Literary Theory (3 hours)

This course is designed to expose students to literary theory. Students will read essays that cover key components of literary analysis such as Marxism, feminist theory, structuralism, and post-modernism, among others. (Prerequisite: ENGL101)

LITR337 Women Writers (3 hours)

Women writers have influenced thinking around the world, but this was not always recognized until recently. This course is an inclusive survey of women writers from around the globe, in both the Eastern and Western tradition, in all literary genres, through specific literary contributions from historical and modern times. (Prerequisite: ENGL101)

LITR340 Modern Epic Fantasy (3 hours)

This course examines modern epic fantasy literature through the novel *Mists of Avalon* by Marion Zimmer Bradley. The *Mists of Avalon* is an epic fantasy tale of love, loyalty, betrayal, kingship, and magic. Taking a different view from the legend, it is told from the perspective of the women of Avalon. Since the Arthurian Legends were some of the earliest fantasy stories, a closer examination of the elements within these legends will give students a better, deeper understanding of what all is involved in creating the modern fantasy epic. (Prerequisite: ENGL101)

LITR341 Folklore (3 hours)

This course provides a survey of folk literature. Special emphasis is placed on identifying archetypes, themes, and motifs, which are the common threads of orally transmitted literature across place and time, which also carry over into other forms of literature and popular culture. Assigned readings represent a sampling of folklore from around the world from ancient to modern eras. Some subjects include: magic, tricksters, heroism, taboo, and shapeshifters. Students will participate in a research project throughout the course. (Prerequisite: ENGL101)

LITR355 Latin American Literature (3 hours)

This course offers a study of major Latin-American writers and literary movements from the Nineteenth-Century to the present. It challenges students to think critically about issues of race, class, gender, culture and identity in order to understand the evolving character of Latin America through representative literary texts.

LITR360 Russian Literature (3 hours)

Building on an introduction to early Russian literature, students will be able to interpret and analyze literature from the greatest Russian writers of the 19th century: Puushkin, Gogol, Dostoevsky, Chekhov, Bunin, Tolstoy and Karamzin. An emphasis is placed on the social, political, and economic forces of the times as they influenced the works of these writers. Students will trace the development of those forces to conditions in present day Russia. (Prerequisite: ENGL101)

LITR365 Middle Eastern Literature (3 hours)

This course will focus on Middle Eastern culture through an analysis of major Middle Eastern literary works including literature from ancient through modern times. The works studied represent a broad survey of the literature available from the Middle East, including works from ancient Mesopotamia, works available from classical Arabic, and works that span the ages passed down by oral tradition and only recently recorded. The novel as interpreted by eastern rather than western sensibilities is also examined. (Prerequisite: ENGL101)

LITR370 African Literature (3 hours)

This course presents African literature from various countries across the continent with a close examination of the ways in which prose, poetry, and drama reveal the depths and beauty of the African culture and its people. (Prerequisite: ENGL101)

LITR385 Asian - American Literature (3 hours)

This course is an introduction to Contemporary Asian-American Literature and will present the major themes and issues in a new and growing interdisciplinary field of scholarly research and literary texts. The primary objective of the course is to engage and introduce students to selected texts from the growing canon of works in Asian American Studies and Literature. (Prerequisite: ENGL101)

LITR401 Literature of American Cultural Diversity (3 hours)

This course focuses on the dynamic cultural diversity of 20th and 21st century American Literature. The course readings will include poetry, short stories, and novels from a wide range of authors from different sociological, ethnological, or regional backgrounds and will concentrate on how these pieces help to create the current American literary identity. (Prerequisite: ENGL101)

LITR402 Shakespeare: An Author for the Ages (3 hours)

This course will cover the major elements of Shakespeare's writings, including his histories, comedies, tragedies, and sonnets. The course will focus on the plays both as literature to be read and discussed as well as theatrical scripts for realization in a performance setting. Additional readings of recent criticism will be assigned to help students develop their analysis and understanding of the texts read. Prerequisite: COLL300

LITR403 The Work and Life of Ernest Hemingway (3 hours)

This course examines the genius and influence of Ernest Hemingway and his works on world literature. Students will study works selected for the sort of quality and precision that would define Hemingway's art of writing and earn the respect and recognition of the Nobel Committee for his "powerful, style-making mastery of the art of modern narration." Prerequisite: COLL300

LITR404 Mark Twain (3 hours)

Mark Twain's life and literature marks an important milestone in American history. Author, traveler, and riverboat pilot, Mark Twain is most commonly known as a humorist, but modern scholars interpret his life as tragic. This course explores historic and modern criticism of Twain's career and literature. Prerequisite: COLL300

LITR405 Medieval European Literature (3 hours)

This course will explore the vibrant literary traditions in the European Middle Ages, focusing primarily on the epic and the

romance. These two genres were among the most popular during this period and the study of them will allow students to better understand the cultural imaginations alive during this time period. Particular attention will be paid to the construction of the epic and romance hero or heroine, the nature of identity, the constructions of gender and race, as well as the influence of the chivalric ethos and the concept of courtly love on medieval literature. The course will focus on Medieval England, France, and Italy; because the literatures from these three regions are decidedly broad, such a study will allow students to gauge the transmission of cultural ideas and literary traditions during the Middle Ages. Texts included in the course are Beowulf, The Song of Roland, prose writing of Heloise and Peter Abelard, Yvain, Le Morte D'Arthur, Dante's Inferno, and Selections from Chaucer and Boccaccio. (Prerequisite: ENGL101, ENGL401 Recommended)

LITR406 The Literary Works of Geoffrey Chaucer (3 hours)

This course will cover a broad selection of Chaucer's works, including The Canterbury Tales, Troilus and Criseyde, and various Dream Visions and other shorter poems. The focus will be on both the works themselves, and the historical and literary contexts in which Chaucer was working in latter 14th-century England. (Prerequisite: ENGL101)

Undergraduate Course Descriptions

Management

HRMT101 Human Relations Communication (3 hours)

This course is designed to provide basic communication principles from the behavioral sciences that apply to establishing positive relationships among individuals in the work setting. Through readings, critical thinking, problem solving, writing, role-playing, and case studies, students will develop basic human relations communication skills essential to effectively functioning in the modern workplace. These communication skills are applicable to relations with co-workers, supervisors, subordinate workers and customers. Basic communication concepts for interpersonal relations, including individual differences, group/team activities, cultural relations, leadership, mentoring, and customer satisfaction will be presented in order to assist students in developing effective communications in the workplace and to assist them in identifying communication issues and problems and providing a framework to resolve these dilemmas.

HRMT200 Human Resource Fundamentals (3 hours)

This is an introductory course that focuses on the concepts and methods of managing human capital in an organization. The purpose of this course is to discuss practices in the selection, training, job analysis, evaluation, wage setting, incentive principles, merit rating, job efficiency, and labor/employee relations of human resources as applied to both private- and public-sector organizations. This course is designed to provide students with a foundation to explore human resource fundamentals effectively across a number of disciplines.

HRMT201 Employee Training and Development (3 hours)

In the emerging global economy, only those organizations dedicated to continuous learning are expected to grow and thrive. This course is an examination of individual and organizational strategies designed to stimulate creative approaches to learning in organizations, and will facilitate an understanding of individual development from both an organizational and personal perspective. Theoretical foundations and practical issues involved in employee training and development in business organizations are explored.

HRMT202 Interviewing Fundamentals (3 hours)

A comprehensive study of the basic communication skills necessary for business and industry, including techniques in reading, writing, listening and speaking. Emphasis will be placed on clear concise written and spoken communication in terms of business correspondence and oral presentations. Topics include communication skills such as listening, writing, verbal and non-verbal communication, conflict resolution and interviewing skills with emphasis on the importance of effective oral communications.

HRMT310 Career Counseling (3 hours)

This course will provide an overview of the major approaches to conceptualizing career development techniques. Students will have the opportunity to explore career counseling topics such as diverse populations, traditional and non-traditional career assessments techniques, the overlap between personal and career counseling, and development of career counseling groups and workshops.

HRMT407 Human Resource Management (3 hours)

This course provides an overview of concepts, skills, theories and techniques involving human resource management and a review of examples involving innovative HR practices in the workplace. There will be an examination of human resource planning, development, and utilization in modern organizations. The establishment and operation of a total human resource program is explored. Topics include recruitment, selection, training and development, performance appraisal, reward systems, benefit programs and role of the human resource department.

HRMT411 Dispute Resolution (3 hours)

This course focuses on the principles, practices, and processes of dispute and conflict resolution. The course draws on interdisciplinary material from social science, decision theory, management/labor relations, and others.

HRMT412 Compensation and Benefits (3 hours)

This course establishes a foundation for the art of compensation and benefit practices. Students will examine the context of compensation and benefit practices, the criteria used to compensate employees, compensation system design issues, employee benefits, and contemporary challenges that compensation and benefits professionals will face given the current economic times.

HRMT413 Employment and Labor Relations (3 hours)

This course will explore the historical evolution and current state of employment relations theory. Workplace democracy, the source of workplace conflict, alienation, the evolution of class, collective bargaining, and other issues are discussed from a variety of perspectives. Students will become familiar with terminology and practices such as employee-employer relationships in non-unionized and unionized settings; problems and theories of union organizing, collective bargaining, and contract administration

HRMT415 Human Resource Management Information Systems (3 hours)

This course provides a basic overview of various automated information systems that are available to support today's Human Resource Professional. Students will have the opportunity to utilize systems such as RESUMIX, Peoplesoft, Modern Systems as well as other automated processes. Additional topics include systems security, individual privacy, legal implications and simplifying the interview process.

HRMT416 Human Resource Development (3 hours)

Training and development is no longer an option for organizations – continuous learning has become an essential requirement for those companies that wish to sustain market share and compete successfully in the marketplace. This course provides a comprehensive overview of the training and development function and is applicable to all organizations and jobs. Training methods, theories, research findings, and issues regarding training, employee development, and the career management function in organizations will be explored.

HRMT417 Health, Safety and Security in the Work Place (3 hours)

This course provides an overview of the roles and responsibilities of a Human Resource professional tasked to oversee safety, occupational health and security in the workplace. Students will research and discuss how one can ensure a safe environment in the workplace. Topics discussed include organization and evaluation of safety training and policies, occupational health education as well as compliance with the Occupational Health and Safety Administration (OSHA) rules and regulations. The course will also address network security and industrial espionage as it relates to the role of the Human Resource Manager.

HRMT419 Recruitment and Staffing (3 hours)

This course will focus on the recruitment and selection of employees to meet an organization's objectives. The course will examine staffing from both external and internal sources. Topics include economic and legal environment; links between organizational strategies and staffing plans; recruitment and selection of new employees; and evaluation and selection of current employees for transfer/promotion. Students will explore the various techniques/methods for determining whether individuals possess the knowledge, skills and abilities needed by the organization.

HRMT422 Bargaining and Negotiation (3 hours)

This course is designed to familiarize the student with the basic structures, strategies, tactics and techniques involved in collective bargaining and negotiations. It examines both interest based negotiations and the more traditional position based negotiations. Focus is on collective bargaining and labor negotiations, however, the approaches and strategies are useful in a wide variety of negotiation contexts.

HRMT427 International Human Resource Management (3 hours)

This course explores the importance of international business management in the context of international human resource management, including topics on culture, compensation and benefits, international organizations and their structures, international assignment management and the legal and regulatory considerations that global organizations face. This course will help students identify differences in operating a domestic versus and international business and how business practices will need to be adapted to operate successfully in foreign markets.

HRMT430 Performance Management (3 hours)

This course examines how to measure and develop individual and group performance. Students will have the opportunity to

design performance management systems in an effort to align employee performance with an organization's strategic objectives. There will be an exploration of methods, theories and issues regarding workforce expectations and performance.

MGMT100 Human Relations (3 hours)

This course is designed to provide basic principles from the behavioral sciences that apply to establishing positive relationships among individuals in the work setting. Through readings, critical thinking, problem solving, writing, role-playing, and case studies, students will develop basic human relations skills essential to effectively functioning in the modern workplace. These skills are applicable to relations with co-workers, supervisors, subordinate workers and customers. The student will be presented with basic concepts for interpersonal relations, including individual differences, communications, group/team activities, cultural relations, leadership, mentoring, customer satisfaction and ethics. This knowledge will then be applied in their analysis of case studies, scenarios, and problem solving exercises in order to develop interpersonal skills that can be used in actual work situations. (Prerequisite: ENGL101)

MGMT101 Principles of Supervision (3 hours)

This course provides a basic overview of supervision in the workplace including the supervisor's role in management. The course explores goal setting, problem solving, staffing and the training and development of employees. Other topics covered include the Human Resource Professional's role in leading the workforce, effective communications and stimulating improved quality management within the organization. The course is designed as a practical guide for the supervisor or manager and provides key leadership concepts and skills to improve quality standards and achieve established goals within the organization, ultimately improving working relationships, and spurring the organization on to greater productivity and success. (Prerequisite: ENGL101)

MGMT102 Retail Ethics (3 hours)

This course is a study of the moral and ethical responsibilities of retail managers in the conduct of daily activity to include ethical challenges, regulations and behaviors while demonstrating how unethical situations can create legal risks and damage to businesses, employees and the consumer. The morality of profit-making, fair and equal treatment of employees, and the responsibility of the business firm to the society in which it exists are reviewed and discussed. Equally stressed will be the idea of the individual's responsibility within the organization. Students will receive an introduction to ethics principles in a Retail environment including the latest concepts and practices. Students will discuss issues of small and large companies, e-business, and other important issues to managers in the 21st century. Students will understanding key organizational ethical issues, maintain a functional focus and review current practices in the private, public, and military sectors.

MGMT200 Ethics Fundamentals (3 hours)

Recent scandals have shown us that in business, there's a lot more at stake than the bottom line. Ethical behavior in organizations is a topic that warrants exploration. The purpose of this course is to investigate some of the ethical issues facing businesses including acceptable risk, intellectual property, workers' rights, whistle-blowing, ethical leadership, outsourcing, and ethical issues in marketing. Students will be asked to reflect and examine how one comes to terms with being a good citizen and business person that attempts to prevent the dark side of business ethics.

MGMT201 Organizational Fundamentals (3 hours)

Students taking this course should not take RTMG150. This is an introductory course that focuses on the concepts and methods of managing an organization. The purpose of this course is to discuss how people and organizations function based on the latest research on work, workers, managers, and organizations. Successful management requires knowledge of the behavior of people in organizational settings and of the processes that occur in those settings. This course is designed provide students with an overview of the challenges that arise for managers in organizational settings and to provide an introduction to the concepts and theories that can be useful in facilitating effectiveness.

MGMT295 Management Seminar (3 hours)

This course is a culminating course for the Associate of Arts in Management degrees. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Management. The student will complete an approved academic project or paper that demonstrates your grasp of management study. This is a culminating course to be taken after all other Associate of Arts in Management courses have been satisfactorily completed. Student must have

SOPHOMORE standing to register. This course is to be taken as the LAST course in the AA in Management program

MGMT310 Principles and Theory of Management (3 hours)

This course is a study of the management process including planning, organizing, staffing, directing, and controlling. Topics include the classical and contemporary management theories that provide a foundation for the manager in today's business environment. (Note to Students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course.

MGMT311 Organizational Behavior (3 hours)

This course examines human characteristics and their bearing on the management and resultant performance of organizations. It includes a review of theory and research on personality, motivation, values, stress, leadership skills, power bases, and communication. It is designed to provide an understanding of the attitudes and behavior of subordinates and superiors, as well as important insights regarding one's own responses to the organization.

MGMT312 Leadership & Motivation (3 hours)

This course is designed to provide students with a solid foundation about leaders, the leadership process and motivation. Topics include the theories of leadership and motivation, leadership power, leader behavior, leadership characteristics, the role of gender, substitutes for leadership, and dysfunctional leadership. MGMT312 serves as a self-assessment of the student's own leadership and motivation skills, knowledge, and attitudes and addresses the questions: Who am I as a leader? What are my most distinguishing leadership traits? What leadership style am I most comfortable being around? How do I influence others? and How do I motivate others?

MGMT313 Organizational Change (3 hours)

This course will examine management techniques utilized when an organization decides it's time for a paradigm shift. Students will have the opportunity to explore principles and philosophies, which are a part of ushering in organizational change and transformation. Topics include downsizing, re-engineering, outsourcing and open book management.

MGMT314 Management Ethics (3 hours)

This course is a study of the moral and ethical responsibilities of managers in the conduct of daily activity inside and outside of the business enterprise. The morality of profit-making, fair and equal treatment of employees, and the responsibility of the business firm to the society in which it exists are analyzed and discussed. Equally stressed will be the idea of the individual's responsibility within the organization.

MGMT315 Management Communications (3 hours)

This course is a study in the theory and techniques of communication within and between organizations. It takes an analytical approach to the development of content and presentation in management communications with an emphasis on the relationship of creative and logical thinking to the solution of management problems through written communications.

MGMT331 Leading Yourself Foundations (3 hours)

This course provides the critical element of analytical and intellectual examination and reflection of certain core issues in the practice of leadership. The purpose of the course is to gain a better understanding of leadership from multiple angles and perspectives. Students will explore the different ways leadership has been defined and studied; similarities and contradictions among the common leadership theories, and the way leadership has been exercised in business, military, and political contexts.

MGMT332 Leading Others Leadership Counseling (3 hours)

All great leaders are able to connect with their followers. This relationship begins with the ability to meet subordinates where they are at and take them to new levels. Before a leader can instill a vision or deliver a pep talk, a leader needs to be able to listen. Active listening is not an optional component of leadership; it is not a nicety to be used to make others feel good. It is, in fact, a critical component of the tasks facing today's leaders. LD310 will discuss the basics of counseling and connecting with others

through basic attending skills and some conflict management. This course will not make a counselor but it will make a better leader. This course is the second pillar to the leadership concentration.

MGMT338 Talent Management, Succession Planning and Generation Perspectives (3 hours)

Everyone is writing about the impending Baby Boom retirement and the issues associated with the lack of talent in the workforce. Through the study of talent identification, development and retention this course will begin to embrace a human capital strategy for the 21st century through lens of leadership development and succession planning. (Prerequisites: MGMT331 or MGMT332)

MGMT410 Strategic Management (3 hours)

This course will focus on the processes that shape corporate strategic decisions. Students will study the basic tools used by corporate leaders to maximize the value of the company and gain an appreciation of the issues and situations frequently confronting today's executive. In addition, the students will evaluate the different characteristics of an organization's environment and identify the threats, opportunities, strengths, and weaknesses relative to its environment.

MGMT414 Strategic Planning (3 hours)

This course focuses on the study of principles to be used in formulating and executing the strategic plan of businesses. This course focuses on the formulation and development of organizational strategy in particular for Public and Non-Profit Organizations. The integration of an organization's mission, stakeholder objectives, and strategy is emphasized. Particular attention is given to the development and implementation of strategy, evaluation of strategic alternatives and the relation of strategy to maintaining competitive advantage.

MGMT490 Independent Study: Management (3 hours)

This course is an opportunity for General Management students to pursue an independent research project or examine a specific area of Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper. There will be no examination. Students will submit a proposal prior to the start of the project. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

MGMT495 Senior Seminar in Management (3 hours)

This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Management. The student will complete an approved academic project or paper that demonstrates mastery of management study. This is a capstone course to be taken after all other Management courses have been satisfactorily completed. Student must have SENIOR standing to register.

TLMT200 Retail Shipping and Receiving (3 hours)

This course introduces the student to retail Supply Chain and Logistics Management with a focus on the shipping and receiving functions to include its nature, scope, and processes. An examination of shipping and receiving functions and the interrelationships among these components of an operational supply chain and related logistics of large retail businesses is provided. Students receive an overview of the role and importance of shipping and receiving within the retail industry with an emphasis on effective management. The contemporary environment of retail shipping and receiving functions are addressed as well as management perspectives, inventory management, and the impacts of technology on providers and users, both domestically and globally. Ultimately, this course is for those seeking retail opportunities in management, supervisory, and/or entry level positions as well as those transitioning into the retail industry.

TLMT201 Retail Transportation (3 hours)

Students in this course are introduced to the area of transportation within the logistics field to include its nature, scope, and processes. An examination of the management functions and the interrelationships among the components of operational logistics is provided. Students receive a familiarization of transportation functions within the retail industry. The various aspects of transportation are addressed within the retail supply chain to include modes of transportation, international logistics, import/export, regulations, customer management (selection and negotiating), warehousing and inventory management, and

technology. A practitioner approach is used to explore and examine processes, strategies, best practices, issues and trends in retail transportation. This course is for those seeking retail opportunities in transportation management and supervisory opportunities.

Undergraduate Course Descriptions

Marketing

MKTG201 Fundamentals of Marketing (3 hours)

This course is a comprehensive survey of marketing activities and the function of marketing. The course will familiarize the student with the scope, terminology, and procedures of marketing. Course topics include the analysis of markets, competition, consumer behavior, and the assessment of product, price, distribution, and promotion strategies. Consumer motivation and the diffusion and adoption of new goods and services are studied. The student will complete a marketing plan of his own.

MKTG301 Principles of Sales (3 hours)

This course explores the principles of selling in various situations encountered in interpersonal interactions. Effective and ineffective sales methods for both person to person and group selling are studied in order to increase the understanding of the sales process.

MKTG303 Strategic Internet Marketing (3 hours)

This course is a study of the concepts of Internet business models and how general managers must formulate and execute successful strategies in order to gain, defend, or reinforce a competitive advantage in the face of the Internet. Students will learn about the concepts and tools needed to analyze Internet business models for both start-ups and incumbent brick-and-mortar firms. This course covers Internet properties, value configurations, culture, ethics, demographics, international marketing and emerging public policy issues to include privacy and security. Topics include web page analysis, intelligence agents and the hardware and software tools necessary for Internet commerce.

MKTG304 Public Relations (3 hours)

This course is an introduction to public relations, covering strategies and tactics used by public relations professionals. The course emphasizes theory and skills needed to perform in the professional arena, including an introduction to research-based public relations campaigns. A major focus of the course for the student is a “walk through” of a public relations campaign that uses a checklist approach.

MKTG305 Advertising (3 hours)

This course is a study and analysis of advertising's role in marketing operations. Course topics will include such areas as the integration of advertising into sales promotion, event marketing, direct response, and other varied support strategies.

MKTG307 Consumer Behavior (3 hours)

This course explores consumer behavior from determining consumer needs and wants, the process by which they are satisfied, and the environment in which the behavior occurs. The objectives of the course are to introduce the student to concepts developed in psychology, economics, and sociology and their relationship to consumer behavior, to involve the student directly in the study and analysis of consumer behavior, and to develop in students the ability to translate what can be learned into marketing action implications.

MKTG308 Social Media Marketing (3 hours)

This course presents the use of online social networking as a marketing strategy designed to increase customer loyalty and lead conversion. Through the study of social media sites, students evaluate contemporary and emerging tools in the digital marketplace.

MKTG400 Marketing Research (3 hours)

This course is a study of the conduct of marketing research to provide information to be used in the decision making process. Course topics include problem definition and solution in a marketing context, data collection methods, sampling, research design, statistical techniques in the analysis of market research information, and survey planning.

MKTG401 Marketing Strategy (3 hours)

This course presents the analytical and decision-making processes involved in formulating, implementing, and controlling a

strategic marketing program for a given product-market entry. It includes discussions of customer, competitor, and environmental analysis; market segmentation and targeting; competitive positioning; implementation; and control. Because the course assumes that the student is already familiar with many of the concepts and analytical tools relevant to these topics, it goes beyond a simple review of definitions and procedures to examine strategic implications. The course also explores how marketing interacts with other levels of strategy and with other functional departments within an organization.

MKTG403 Marketing Management (3 hours)

This course is a study of the marketing process from a macro and management viewpoint. Topics may include the role of marketing in a society, management of a marketing staff, and the product, distribution, promotional, and pricing decisions.

MKTG407 International Marketing (3 hours)

This course is designed to develop marketing decision skills in the global context. The course focuses on international marketing theory and practice from the point of view of the marketing manager and the requirements of a business in the international marketplace. The emphasis is on the application of tools and methods of international marketing practices. This course builds on skills developed in previous course work and assignments by integrating these with the issues and concepts of international marketing. Consequently it is highly recommended that students taken MKTG300 prior to registering for this course.

MKTG410 Contracting and Negotiating (3 hours)

Students will explore the requirements for marketing to the federal government and corporate entities including an overview of proposals, performance, and bid or no bid decision making. This course describes the step-by-step process normally used in negotiating and preparing contracts, renewing contacts, and policies around breaking contract agreements. This course outlines the process and sets forth a set of flexible guidelines and methods designed to cope with the challenges of contract preparation and negotiating of contracts.

MKTG420 Branding (3 hours)

This course introduces students to understanding the need to differentiate products and services. The course explores how branding can have an impact on purchasing decisions. Students learn branding methods to transcend industries and techniques to use branding as an asset.

MKTG421 Marketing Channels (3 hours)

This course deals with the elements and management of marketing channels. This course views marketing channel as an inter-organizational system. Students explore the task of making products and services available for consumption. The main emphasis of this course is on the initial design of marketing channel systems and management of relationships between system participants.

MKTG423 Marketing Writing (3 hours)

This course provides a sound understanding of an integrated approach towards marketing communications mix. The course assesses the impact of globalization of markets on marketing communications and provides an understanding of the cultural, legal and lifestyle of various cultures. This is an advanced writing course providing practice in producing marketing content for print, broadcast, online and public relations media. Commonalities and differences among writing formats, mechanics, and approaches of each medium are addressed.

MKTG495 Senior Seminar in Marketing (3 hours)

This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Marketing. The student will complete an approved academic project or paper that demonstrates mastery of marketing principles, concepts, and study. This is a capstone course to be taken after all other Management courses have been satisfactorily completed. Student must have SENIOR standing to register.

MKTG499 Independent Study: Marketing (3 hours)

This course is an opportunity for Marketing students to pursue an independent research project or examine a specific area of Marketing under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper. There will be no examination. Students will submit a proposal prior to the start of the project.

To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Mathematics

MATH100 Pre-Algebra (3 hours)

This course introduces students to the prerequisite concepts of beginning algebra. This course covers the concepts of solving basic algebraic equations that involve integers, fractions, decimals and percents. It also introduces the concepts of polynomials and the graphing of two variable equations. Emphasis is on the fundamentals of pre-algebra mathematics to ease the transition into college level algebra courses. This course is followed by MATH101 which will cover the first level algebra concepts that incorporate the skills covered in MATH100. This course does not fulfill the math General Education Requirements, but it can be used as elective credit. Course Objectives: • Perform basic operations of integers, fractions and percents. • Solve algebraic equations involving integers, fractions, decimals and percents. • Apply basic algebraic equation solving skills to real life situations. • Solve equations using proportions, rates/ratios and unit pricing. • Formulate the perimeter, area and volume of various geometric shapes/objects. • Calculate ordered pairs from a given two variable equation to graph the line of given equation. • Identify and evaluate polynomials and perform basic operations of various monomials, binomials and polynomials.

MATH101 Introduction to College Algebra (3 hours)

This course is an introduction to college algebra and is organized into six distinct parts, beginning with a review of basic mathematics skills. It then addresses the language of algebra, the definition, uses, and methods of solving equations and inequalities, exponents and polynomials, factoring, and rational expressions. Practical applications are emphasized throughout the course. This course does not fulfill the mathematics General Education Requirements, but it can be used as elective credit.

MATH110 College Algebra (3 hours)

This course investigates the concepts of college algebra. The course covers the concepts of algebra, graphing and solution of linear and quadratic equations, inequalities and the solution of systems of linear equations. The course is organized into four distinct parts. The first part of the course covers the basic concepts involved in graphing points and linear equations. The second part of the course investigates the solution and graphing of inequalities and systems of linear equations. The third part of the course concentrates on the manipulation and use of exponential expressions and radicals. The final part of the course considers the solution of quadratic equations and their applications. Practical applications are provided throughout the course. There is careful attention to the presentation of concepts that will become important in the study of analytic geometry, trigonometry and calculus. The course assumes the student has completed MATH101 Introduction to College Algebra or an equivalent course and is completely comfortable with the language of algebra, equations and inequalities, polynomials, factoring, and rational expressions. If a lower-level math course has not been completed recently, we recommend that students take the 16-week session of MATH110. The eight-week session is recommended only for students with prior math experience and who have an adequate amount of time to pursue a highly-accelerated course of study in eight weeks.

MATH111 College Trigonometry (3 hours)

This is a course in college trigonometry. It builds on earlier college algebra courses such as MATH110, extends the students' studies to trigonometry, and introduces topics in analytical geometry. Practical applications are provided throughout the course. The course begins by reviewing methods of graphing and solving linear and quadratic functions as well as techniques for solving polynomials. It then concentrates on various trigonometric functions, identities and equations as well as the application of trigonometry to real-life situations. The final part of the course includes exponential and logarithmic functions as well as selected topics in analytic geometry including polar coordinates and the conic sections. While there are no pre-requisites for MATH111, the course assumes the student has completed MATH110 College Algebra or an equivalent college level course.

MATH125 Math for Liberal Arts Majors (3 hours)

THIS COURSE DOES NOT FULFILL MATH PREREQUISITE REQUIREMENTS IN SCIENCE PROGRAMS. STUDENTS IN AS OR BS PROGRAMS OR IN PROGRAMS THAT REQUIRE MATH302 SHOULD TAKE MATH110 OR HIGHER AS THEIR MATH GEN ED UNLESS CLEARED WITH ACADEMIC ADVISOR FIRST. This course examines various mathematical concepts and problem solving techniques and provides mathematical functional literacy for those majoring in non-technical subject areas such as intelligence,

military history, economics, and management. Students will learn how to solve a wide variety of problems from such areas as: mathematical thinking; logic; number theory and real numbers; introduction to algebraic equations, inequalities, and problem solving; functions and graphs; geometry; mathematical systems and matrices; sophisticated counting techniques; consumer math; and an introduction to probability and statistics. This course is principally a problem-solving course where students learn how to solve a wide variety of mathematical problems, rather than a conceptual course where problem solving is not emphasized.

MATH200 Analytic Geometry (3 hours)

This course introduces students to the concepts of analytic geometry. Some of the most important applications in physical sciences will be presented; however, emphasis is on the fundamentals of analytic geometry as a foundation for the study of calculus. Students may use this course for higher level prerequisite mathematics requirements. Topics include: plane analytic geometry; vectors in the plane; equations of lines, circles, and conic sections; transformation of coordinates; curve sketching of polynomial and rational functions; polar coordinates; parametric equations; and three dimensional vectors. (Prerequisite: MATH110 or higher)

MATH210 Discrete Mathematics (3 hours)

This course introduces students to the fundamental concepts of discrete mathematics. The course provides a foundation for the development of many computer related concepts and more advanced mathematical concepts found in electrical engineering or computer science courses. Important applications in the computer science and engineering disciplines will be presented. Topics include: fundamentals (basic tools for discrete math); logic; methods of proof; graphs and sets; functions; relations and equivalences; recursive relations; polynomial sequences; induction; combinatorics; counting; and probability. (Prerequisite: MATH110 or MATH111 or MATH225)

MATH220 Linear Algebra (3 hours)

This course presents vectors, matrices, determinants, eigenvalues and eigenvectors; and how these concepts may be used and applied. The emphasis of the course will be on understanding the concepts and methods of linear algebra, as well as solving problems and understanding how linear algebra is used in real world applications. (Prerequisite: MATH110)

MATH225 Calculus (3 hours)

This is the first course of a three part Calculus sequence to prepare students for advanced work in mathematical fields including, but not limited to the engineering, computer science and economics fields. It introduces the student to the basic concepts and techniques of differential calculus. Topics include a pre-Calculus review (functions, graphing), limits, derivatives, computations (Power rule, Product Rule, Quotient Rule and Chain Rule), special functions (trigonometric, exponential and logarithmic), implicit differentiation, applications of differentiation (approximations, optimization and related rates), and curve sketching. It is highly recommended that the student has taken MATH 200 Analytical Geometry or a similar course. (Prerequisite: MATH111)

MATH226 Calculus II (3 hours)

This is the second course of a three part Calculus sequence. It is designed to extend the concepts learned in Calculus I to the concepts and techniques of integral calculus. Topics include the basics of integration (anti-derivatives, substitution, and the Fundamental Theorem), applications of integration (motion, area), L'Hopital's Rule (indeterminate quotients, indeterminate forms), elementary function inverses (inverse functions, Calculus of inverses, trigonometry function inverses, Calculus of these inverses), techniques of integration (tables, powers of Sine and Cosine, other Trigonometric powers, by parts, trigonometric substitution, and numerical analysis), improper integrals, integral applications (average value, volumes by cross-sections, disk & washers, shells, arc lengths, and work). (Prerequisite: MATH225)

MATH227 Calculus III (3 hours)

This is the third course of a three part Calculus sequence. It is designed to extend the concepts learned in Calculus II to sequences and series (convergence tests, Taylor and MacLaurin Series, Power Series) , differential equations (separable, homogeneous, growth and decay), parametric and polar equations (including slope and area), and vector Calculus (dot product, cross product, equations of lines and planes, vector functions, derivatives, velocity and acceleration). Pre-requisite: MATH226

MATH239 Data Analysis and Presentation (3 hours)

This applied course introduces students to a variety of techniques for organizing, analyzing and presenting large data sets. Topics

to be covered include descriptive statistics with graphics and sample estimation. Emphasis is placed on real-world applications such as those found in the social and physical sciences. Students will become familiar with statistical software packages.

(Prerequisite: MATH220)

MATH240 Differential Equations (3 hours)

MATH240 is introduction to differential equations. It is designed to introduce students to the basic concepts and techniques of differential equations. The course covers the standard materials addressed in the first semester of college differential equations to include: first and second order differential equations, Laplace transforms and differential equations with variable coefficients. Problems have been selected to illustrate the applications of these techniques across a wide range of areas of science, technology, and economics. It is essential for engineering, science, and economics. Increasingly, applications in business management and related fields also employ the calculus. Prerequisite: MATH226

MATH302 Statistics (3 hours)

This is an interactive course designed to help students achieve a greater understanding of the statistical methods and models available to analyze and solve the wide variety of problems encountered in business, science, medicine, education, the social sciences, and other disciplines. Successful completion of this course will provide students with a working knowledge of the principles of both descriptive and inferential statistics, probability, averages and variations, normal probability distributions, sampling distributions, confidence intervals, statistical hypothesis tests, and correlation and regression analyses. The emphasis of the course will be on the proper use of statistical techniques and their application in real life -- not on mathematical proofs. This course will use Microsoft Excel for some of the work. Students should have a basic familiarity with Excel and have access to this software application. (Prerequisite: MATH110 OR MATH111 OR MATH225)

MATH305 Real Analysis (3 hours)

This course provides a theoretical foundation for single-variable calculus concepts. Topics include the structure of the real numbers, sequences, continuity, differentiation and Riemann integration. This course will be run as a seminar that emphasizes problem solving and proof writing. (Prerequisite: MATH320)

MATH320 Mathematical Modeling (3 hours)

This course introduces students to the fundamental concepts of math modeling. It integrates the student's previous experiences with mathematical concepts to provide a variety of practical methods to solve problems. The course covers mathematical concepts such as graphs, inequalities, slopes, linear regression, matrices, operations and applications of matrices, linear programming, sets, Venn diagrams, permutations, combinations, binomial theorem, and an introduction to logic. (Prerequisite: MATH220)

MATH325 Linear Regression I (3 hours)

Linear regression models are widely used in business administration, economics, engineering, and the social, health, and biological sciences. Successful applications of these models require a sound understanding of both the underlying theory and the practical problems that are encountered in using the models in real-life situations. In this first course in linear regression students will be exposed to some of the fundamental tools of linear regression. The emphasis will be on using and interpreting linear models. In addition to analyzing given linear models, students will analyze data and create linear regression models as a means to assess and evaluate the extent to which individual or sets of predictor variables influence a particular response. Furthermore, students will use models to forecast outcomes associated with various response variables. Applications from a number of different areas will be examined. (Prerequisites: MATH220 and MATH302)

MATH328 Probability Theory with Applications (3 hours)

This course introduces students to the basic concepts and applications of probability theory. An understanding of probability theory is essential to statistics, which is the fundamental basis of how all research is done, from science to medicine to business, marketing, and governmental politics. Probability theory is also essential to such disciplines as mathematics, finance, artificial intelligence, and even legalized gambling (such as state lotteries). Examples of applications problems from these areas are included in the course, with a focus on understanding the concepts and methods of probability theory, as well as solving problems taken from real world applications. (Prerequisite: MATH226)

MATH330 Linear Optimization (3 hours)

This course examines various linear optimization concepts and problem solving techniques commonly found in manufacturing, transportation, and military operations. The goal of optimization is to find the best possible solution to a problem given a number of constraints. The emphasis of this course is problem solving. This course includes the construction and analysis of real world problems and the application of various linear optimization techniques to find an optimal solution. An optimization software package will also be presented and used to solve problems. This course covers a wide range of linear optimization techniques. Topics include linear programming; the simplex algorithm and goal programming; sensitivity analysis and duality; problems in transportation and transshipment; network models; and integer programming. (Prerequisite: MATH220)

MATH335 Non Parametric Statistics (3 hours)

This course is a non-Calculus treatment of non-parametric tests, probability, confidence intervals, estimation; topics include one- and two-sample problems, one- and two- way analysis of variance, multiple comparisons, and correlation. Students will become familiar with statistical software packages. (Prerequisite: MATH320)

MATH340 Multivariate Statistics (3 hours)

This course will introduce to students analysis of categorical data, log linear models for two- and higher-dimensional contingency tables, and logistic regression models. Also students will analyze aspects of multivariate analysis to include random vectors, random sampling, multivariate normal distribution, inferences about the mean vector and MANOVA. (Prerequisite: MATH320)

MATH360 Mathematics History and Development (3 hours)

This course will introduce students to the historical development of the disciplines of mathematics. Within the discipline of mathematics we will examine the development of numbers and number systems, geometry and measurement, algebra, probability and statistics, calculus, and discrete mathematics. Throughout this course students will study the history of mathematics and mathematics education through readings, case studies, and problem sets. (Prerequisite: MATH320)

MATH370 Waiting Line Models and Systems (3 hours)

Topics in the course will include the nature and type of waiting lines and their impact on systems; measures of system performance, and queuing models (finite sources systems and infinite source such as M/M/1, M/D/1 and M/M/S systems). The analysis and management of these systems will be investigated. (Prerequisite: MATH320)

MATH375 Inventory Models and Systems (3 hours)

This course introduces students to the basic concepts and application of inventory management, its theory and practice. An understanding of the inventory management theory is essential to operations management, production planning and scheduling, and global supply and demand chain management. Inventory management is the heart of operations management in any industry. On upstream, it will dictate policies and procedures for procurement and material management. Its impact on downstream, especially in meeting the required service level, is a determinant factor in high service level which greatly impacts marketing and financial departments. In this course we introduce quantitative methods of optimal inventory management in the context of operations management, forecasting, BOM, MPS, and ERP.

MATH410 Design of Experiments (3 hours)

This course is delivered online and is organized into distinct parts. This course will begin with Design of Experiments (DOE) methodology and statistical inference. The design of single factor, factorial, nested and nested factorial experiments will be taught. Quantitative and qualitative factors will be introduced to simulate real situations that are encountered in operations being explored. Students will learn how to set up and solve fixed, random, and mixed models with two or more factors. Practical applications are provided throughout the course. (Prerequisite: MATH340)

MATH412 Graph Theory (3 hours)

This course studies set theory, counting techniques such as permutations, combinations, generating functions, partitions and recurrence relations, Polya's theorem, Hamiltonian and Euclidian properties of graphs, matchings, trees, coloring problems and planarity. (Prerequisite: MATH305)

MATH415 Operational Simulation (3 hours)

This course examines various mathematical concepts and problem solving techniques and introduces discrete system simulation, Monte Carlo methods, discrete event modeling techniques, programming considerations, statistical definitions and concepts, random number generation, and output analysis. This will be a problem solving course which will emphasize tools that can be used during the analysis phase of real world problems. (Prerequisites: MATH302 and MATH320)

MATH418 Topology (3 hours)

Topics include definition of a topology, closed sets, relativizations, base and sub-bases of a topology, compact topological spaces, separation axioms, normal spaces, regular spaces, metric spaces, continuous mappings, product spaces, and function spaces. (Prerequisite: MATH305)

MATH419 Set Theory (3 hours)

This course continues the studies of set theory from MATH 210, Discrete Mathematics. This course expands coverage of logic and induction, sets, functions, recursive definitions, counting techniques and the Inclusion-exclusion principle. (Prerequisite: MATH305)

MATH420 Game Theory and Decision Models (3 hours)

"A Beautiful Mind" is a movie that helped popularize game theory. It is a biographical film about the life of John Nash who is known for his work in game theory. "Game theory is the study of mathematical models of conflict and cooperation between intelligent and rational decision makers." This course examines game theories and their applications commonly found in economics, business, political science, and law and how to model games to make informed decisions. Topics include dominance solutions, Nash equilibrium, backward induction, subgame perfect equilibrium, repeated games, dynamic games, Bayes-Nash equilibrium, mechanism design, auction theory, and signaling. (Prerequisites: MATH220 and MATH225)

MATH431 Linear Regression II (3 hours)

Linear regression models are widely used in business administration, economics, engineering, and the social, health, and biological sciences. Successful applications of these models require a sound understanding of both the underlying theory and the practical problems that are encountered in using the models in real-life situations. In this second linear regression course, students will focus on validating and creating linear models as a means to investigate the nature of the relationship between sets of predictor variables and a particular response variable. The emphasis will be on validating the utility and appropriateness of models used in a number of divergent application areas. Validation of regression model building assumptions will also be explored. Diagnostics and remedial measures, including transformations, will be examined. Specialized regression techniques will also be presented. (Prerequisite: MATH325)

MATH440 Stochastic Processes (3 hours)

The goal of this course is to teach students statistical and stochastic concepts, methods and models through examples, help students relate stochastic models to real life problems, and also encourage students to develop critical thinking skills that will allow them to realize greater success as mathematics major. (Prerequisite: MATH320)

MATH460 Principles of Applied Mathematics (3 hours)

The process of expressing scientific principles, experiments, and conjectures in mathematical terms. Topics include: gathering reliable data, exposing underlying assumptions, variables, relationships, levels, refining of models, and stochastic models. Deterministic versus stochastic models. (Prerequisite: MATH305)

MATH470 Measurement Theory (3 hours)

This course covers the study of basic topics in analysis with emphasis on methods and measurement. Sequences, series, functions, uniform convergence, continuity, partial differentiation, extreme value problems with constraints, Riemann integrals, line integrals, improper integrals, integrals with parameters, transformations. (Prerequisite: MATH305)

MATH499 Senior Seminar in Mathematics (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Mathematics. The students will examine a number of real-world case studies; prepare an approved academic project or paper; and demonstrate mastery of their program of study in a meaningful culmination of their

learning. Students must complete ALL Core and Major Courses prior to this course. Student must have senior standing to register.

Undergraduate Course Descriptions

Military History

MILH201 Introduction to Military History (3 hours)

This course is a survey of the changing patterns of warfare within Western civilization, to include analyses of principal military thinkers and the evolving relationship among Western societies, warfare, and their military institutions.

MILH202 Survey of American Military History (3 hours)

This course is a study of the American military institution from the colonial period to the current environment in the 21st century. Students will examine military traditions and employment of forces during war and peace as well as the relationships between the military and society. Recommended prerequisites are two lower level survey courses in U.S. or World History.

MILH221 War From Antiquity to 1700 (3 hours)

This course is a survey and discussion of warfighting during ancient times through to the beginning of the 17th century with emphasis on technological advances in the military arts and sciences and their short term and long term effects on strategy and tactics.

MILH222 War from 1700 to the Present (3 hours)

This course is a survey and discussion of warfighting from end of the 17th century until now, to include military arts and science as well as combined arms employment. Emphasizes the innovations and changes in strategy, tactics, organization and technology engendered by the decisions of the great captains of each age.

MILH303 Readings in Military Leadership (3 hours)

This course is a study of military leadership of ancient to present day commanders through selected readings. Emphasis will be on the burden of command and the various solutions that military leaders employed in the prosecution of war. Ancient and modern leadership will be examined, but the primary focus will be on the modern era. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH304 Readings in Military Philosophy (3 hours)

This course is a study of basic concepts in military strategy and tactics viewed through the prism of the selected readings from well-known military philosophers. Both ancient and modern philosophers will be studied. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH318 The French and Indian War (3 hours)

The French and Indian War, otherwise known as the Seven Years War, was fought in North America between the years 1754 and 1763. The British and their American colonists fought against the French and the Indians initially over territorial disputes of the Ohio River Valley. This resulted in one of the world's first global wars, and consequently set the stage for the foundations of the American Revolution. This course will focus on the beginnings of the war, both domestic and international, military events, and the consequences of the war. Prerequisite - HIST300/HS334 for History and Military History majors only

MILH320 The American Revolution (3 hours)

This course examines the American Revolution from its antecedents to its legacy. The events leading to the revolt and the Declaration of Independence; the strategy and tactics of the war emphasizing the land campaigns; and the aftermath of war on the new Nation. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH355 World War I (3 hours)

This course analyzes World War I, from the political unrest in Europe in 1914 and the outbreak of war to the Armistice in November 1918 to the treaty of Versailles in 1919 and the official end of the war. Global in scope, the themes highlight the origins of the conflict, Entente and Central Powers strategies, plus the major military campaigns, power diplomacy, life on the home front and America's entry and effect to the Entente (Allied) war effort her entry had on the outcome of the conflict. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH360 World War II (3 hours)

This course is a global examination of the Second World War with an emphasis on the origins of the conflict, Axis and Allied strategies, major military campaigns, great power diplomacy, life on the home front, and the Holocaust. The experience of combat, social and political changes that resulted from the conflict and the scientific consequences of the war will be continual themes addressed by the course material. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH362 Ancient Military History (3 hours)

This course is a comprehensive survey of ancient and classical warfare (prehistory to c. AD 500) in Western Civilization from the origins of warfare in the Paleolithic period to the decline and fall of the Western Roman Empire in the fifth century. The millennia under study in this course were a dynamic period in warfare, full of important discoveries and innovations in martial technologies, strategy, organization and combined-arms tactics, fortification, siege craft, and naval warfare. Students will read and analyze a wide variety of sources on ancient and classical warfare in Mesopotamia and the Near East (Sumerian, Akkadian, Babylonian, Hittite, Assyrian and Persian), Egypt (Old, Middle and New Kingdom), Greece (Mycenaean, Archaic, Hellenic and Hellenistic) and Rome (Republican and Imperial) in order to develop an appreciation of the important contributions of these civilizations to the continuity of warfighting in the Western world. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH363 17th and 18th Century Military History (3 hours)

This course covers the history of warfare from the Spanish Armada in 1588 to the dawn of the French Revolutionary wars in the 1790s. The 17th and 18th centuries were an era in world history abound in continuous warfare. The militaries of Europe in particular were still primarily composed of mercenaries, politically and often militarily unreliable. Warfare in this era was not confined to the plains of Europe; the world's oceans also played host to their own form of combat. The 17th and 18th centuries at sea began with Great Britain on the verge of invasion from the Spanish Armada to Great Britain becoming the unquestioned master of the ocean. Thus, the 17th and 18th centuries began in an aura of indecisiveness and closed awash in the destruction of "world" war. The evolution of warfare from the inconclusive to the decisive battle is explored in depth. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH364 Medieval Military History (3 hours)

This course is a comprehensive study of European post-classical warfare from the decline and fall of the Western Roman Empire in the fifth century to the integration of reliable gunpowder technologies at the beginning of the sixteenth century (c. 450 to c.1500 AD). Students will read and analyze a wide variety of sources on medieval warfare in order to develop an appreciation of the important contributions of the European Middle Ages to the continuity of warfighting in Western civilization. Contrary to popular belief, the millennium under study in this course was a dynamic period in warfare, full of important rediscoveries and innovations in fortification, siegecraft and combined-arms technology, organization and tactics, all of which allowed Europe to become the preeminent military power in the period after 1500 AD. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH365 The Napoleonic Wars and the Long Peace (3 hours)

This course examines the theory and practice of warfare in Europe from 1785 to 1870. It will emphasize the rise of Napoleon as a military leader, as a practitioner of the operational art, but will also examine his political, economic and legal impact on Europe as a whole. This course will focus on the wars of the French Revolution, Napoleon's northern Italian campaigns, his expedition to Egypt, his battles while leading the Grand Army at Austerlitz and Jena, and his march to Moscow where he led the largest army in European history to date. It will also cover the 1813 and 1814 campaigns, the reactions of Napoleon's enemies to his innovations in warfare, and his final defeat at Waterloo. The course then looks at the status of Europe in 1815 and the conditions which set the terms for the "Long Peace". The course ends prior to the start of the wars of 1870 and the lessons learned. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH370 The Korean War (3 hours)

This course provides a history of the Korean War from pre-hostilities to post-ceasefire. The course mainly concentrates on the U.S. and South Korean conflict against North Korean and Chinese forces, but other UN participants are covered throughout the course. All three levels of conflict, from tactical to strategic are discussed. The increase in technology, the usage of modern weapons, POWs, and the continued presence of U.S. forces in the Republic of South Korea are also covered. (Prerequisite -

HIST300/HS334 for History and Military History majors only).

MILH371 The Vietnam War (3 hours)

This course examines the origins of the conflict in Indochina, American intervention and commitment, the ground wars, Vietnamization, trouble at home, the US withdrawal, and the war's effect on American society. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH411 Diplomacy and War I (3 hours)

This course is a comprehensive international study of the struggles between and among states, beginning with ancient times and ending with the Congress of Vienna, and of the relationship between diplomacy and war in pursuing national objectives. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH412 Diplomacy and War II (3 hours)

This course is a comprehensive international study of the struggles between and among states, beginning with the restructuring of Europe after the Congress of Vienna and ending with the fall of the Berlin Wall, and of the relationship between diplomacy and war in pursuing national objectives. (Prerequisite - HIST300 for History and Military History majors only).

MILH421 History of Peacekeeping: 1945-1987 (3 hours)

This course examines the overall evolution and functioning of United Nations Peacekeeping Operations (PKO) during the Cold War period. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. The origins and evolution of UN peacekeeping are explained in military, diplomatic, and political terms. This course describes how superpower conflicts shaped both the direction and scope of UN PKOs. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

MILH422 History of Peacekeeping: 1988-Present (3 hours)

This course examines the strategy, operations, evolution, and functions of United Nations Peacekeeping Operations (PKO) from the end of the Cold War to the present. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. While the United Nations peacekeeping operations are studied in detail, other forms of peacekeeping are presented as well. (Prerequisite - HIST300/HS334 for History and Military History majors only). Completion of this course will make students eligible to obtain a certificate of completion from the United Nation's Peace Operations Training Institute. It is up to the student to go to the POTI website to find how to obtain the POTI certificate.

MILH480 Special Topic: Military History (3 hours)

This course is a one-time offering on an area of special interest and may be applied to fulfill major course requirements or electives. A student may appeal to take this course twice, if the subject matter is different enough to merit separate credit. WINTER 2014 SPECIAL TOPIC - MEDAL OF HONOR Students will learn about the story behind the Medal of Honor and the significance of the design of the Medal. Students will also learn how Confederates were honored with a Roll of Honor. They will learn that the Medal of Honor Legion was founded in 1890 to protect the Medal from abuse. They will learn that 911 Medals of Honor were revoked in 1917 after all the Medals to date were reviewed, including those of the only woman and the 27th Maine, and will learn if any of these Medals were restored later. They will also learn about modern Medal of Honor recipients.

MILH490 Independent Study: History (3 hours)

An opportunity for Military History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to Military History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the

course. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILH498 Senior Seminar in Military History (3 hours)

The Senior Seminar in Military History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in military history. After a review of the student's academic experience, the student and professor will design a course of study to complete the student's preparation for research and writing a major paper in their field of interest. This is a capstone course to be taken after all other Military History courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisite - HIST300/HS334 for History and Military History majors only).

MILS110 Introduction to Military Leadership (3 hours)

This course is a study of military leadership designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include leadership in battle, preparation for war in the form of effective unit training, examples of effective enlisted leadership qualities and leaders, and the role of inspiration in leadership.

MILS120 Small Unit Leadership (3 hours)

This course is a study of small unit military leadership traits, principles, and cases. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include effective small unit leaders and leadership characteristics; squad, platoon, team, and other small unit organizations of the U.S. military, and the critical roles of morale, courage, and teamwork play at the small unit level.

MILS121 The Military Soldier (3 hours)

This course is a study of the military soldier. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include the soldier's role in the military and in society, the effective definition of the military soldier through study of several legendary soldiers, and the capabilities and limitations of the soldier as an arm of national power.

MILS122 Enlisted Leadership (3 hours)

This course is a study of enlisted leadership at the noncommissioned and senior noncommissioned officer levels in today's U.S. military. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include the enlisted leadership exemplified in America's major conflicts, the trials of mid-level leaders amidst military and societal change and how the Non-Commissioned Officer is the backbone of each branch of the U.S. Armed Forces.

MILS200 Military Structure and Organization (3 hours)

This course is a study of the enlisted military structure. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Historical analysis provides the evolution of the enlisted military from its earliest inceptions in American history.

MILS250 Military Ethics (3 hours)

This course is a study of military ethics, morality, and moral courage. It is designed specifically for the intellectual advancement of military enlisted students who are in or seek positions of leadership. Course topics include cases of moral decision, principles and theory of ethical military decision-making, and the concept of military ethics in the framework of military rank, command, and obedience and the expectations of a constitutional democracy.

NSEC411 Introduction to National Security (3 hours)

This course is a broad initial examination of National Security Strategy in the United States focused on defining and implementing national security objectives. It will encompass the internal security framework, organizations and stakeholders as well as the concept of "power" as it relates to national security decision making. Additionally, this course will consist of a current review of the changing security environment around the globe, to include; Russia, East Asia, the Middle East, Sub-Saharan Africa, Latin America and Europe. The objectives of the course are for students to gain an understanding of the concept of power and its implications on international and national security; to describe the historical context and evolution of American national security;

to comprehend the relationships and interaction of the three major branches of our government and the impact on national security; to be able to describe the levels of conflict and other factors affecting national security and national security decision-making; to develop an awareness of the historical and current issues relative to international and regional security; and to gain an appreciation for the challenges ahead in the 21st Century of national security issues.

Undergraduate Course Descriptions

Military Management

DEFM305 Acquisition Business Management (3 hours)

Deals with common financial issues in acquisition that include cost estimating; earned value analysis; Planning, Programming, Budgeting and Execution (PPBE); congressional enactment; and budget preparation and execution. In this course, the student will prepare, justify, and defend budget exhibits and obligation/expenditure plans; formulate impact/reclama statements and reports; and develop and defend business aspects of the acquisition and PPBE cycle.

DEFM310 Program and Acquisition Management I (3 hours)

This course is an introduction to the requirements of successful program management in the DOD. The course will look at the entire systems acquisition cycle from the point of view of government requirements and the efforts of the civilian contractor to bring the system to Full Operational Capacity.

DEFM311 Program and Acquisition Management II (3 hours)

This course of instruction addresses the DOD acquisition process once the government has decided that it must seek the enormous resources of the private industry. The scope of this course specifically addresses the formal process by which the DOD requests (or solicits) industry to respond to their needs and requirements. The course also outlines the evaluation process and evaluation criteria used by the government to evaluate and select the winning proposal. The course will review the Federal Acquisition Regulations (FAR) and the Defense Federal Acquisition Supplements (DFARS). Additionally the course will review the current policy in the DOD to outsource to the private sector (non-DOD sources) the tasks and functions previously performed by in-house government workforce. (Prerequisite: DEFM310)

DEFM312 Defense Budget Development and Execution (3 hours)

This course is a study of the process by which the acquisition, personnel, and readiness (operations and maintenance) portions of the annual Defense Budget are integrated and executed. Students will learn of the politics behind the issues and will gain an appreciation for the complexity of the process. Following an in-depth review of the political scope of budgeting, the course will shift into a study of how budgeting actually works at each stage of executive and legislative action. From the preparation of the service and agency budgets, through the presentation of the president's budget, to the actual appropriation and expenditure of funds, the student will apply his knowledge of the politics of the process to appreciate the problems and issues in defense budgeting.

DEFM314 Military Logistics (3 hours)

This course is a survey of the role of logistics in support of warfighting from ancient times to the present. Students will analyze these warfighting efforts in terms of principles of logistics.

DEFM331 Military Reserve Couns. & Retention Mgmt. (3 hours)

This course is a study of issues associated with military managers ability to effectively guide subordinates in the retention and counseling of predominately part-time service members. Focusing on the unique needs of the military Reserve component, where issues vary greatly from procedures governing regular component counterparts, this course is a study in unique circumstances brought on by the need to balance a civilian career with the duties, responsibilities and potential hazards of the military. Course topics include in depth study of legal and regulatory rules and regulations governing the Reserve component. Additionally, it addresses the effective counseling and guidance that is required for personnel retention and reduced attrition rates. Scientifically applied practices and measures and historical examples are used. This course is ideally suited for the senior reserve personnel or retention manager, or regular component or civilian manager who desires to bolster proficiency in Reserve Component military retention procedures.

DEFM332 Transition and the Military Family (3 hours)

This course is designed to provide students with knowledge of the theoretical and practical aspects of managing transitions, with a focus on those issues incumbent on the military family. Course topics include change and choice, psychology of the self,

interpersonal relations, health, dysfunction, grief, and building a life-career. Particular attention is focused on these topics' application to the military family lifestyle, to include deployment separation, reunion, marriage and family, parenting, military casualty, and life-career. The following questions appear as themes throughout the course: what is transition; what transitions do military families experience; what are the affects on the body, mind, spirit, and interpersonal relationships; what is resilience; and how does one create a plan to strengthen resilience?

DEFM350 Military Human Resource Management (3 hours)

This course will concentrate on military human resource management or personnel management. This course will take two tracks. First, the course will explore human resource management from a business perspective. Secondly, it will explore human resource management from a military perspective. Leading soldiers, sailors, Marines, and airmen in combat is categorically different in nature and function from anything in the business world and its subsystems. Combat leaders are not middle-tier managers. It is acknowledged that there are limitations in using the business model. In every organization, people make the difference between success and failure. In assessing the flow of history, Arnold Toynbee concluded that the rise and fall of societies has depended almost exclusively on the quality of the people and the leaders. For those in the military, and defense establishment: the officers, NCOs, soldiers, sailors, marines, airmen and civilians are critical to whatever we do. Personnel issues can determine combat effectiveness as much or more than doctrine, logistics, or technology. Personnel are still at the heart of conflict.

DEFM351 History of Military Retention (3 hours)

This course starts with the Revolutionary War and progresses through all major events in United States history which impact upon the military retention process. The correlation between the nation's history and military retention policies have direct connections that will be examined closely to develop a better understanding for military counselors and other interested students. Understanding the history of retention provides the background for those who want to avoid past mistakes. It also helps the professional military counselor to place retention needs in a historical context when developing career counseling programs.

DEFM410 Program Appraisal (3 hours)

This course is designed to develop the basic skills essential to evaluate public programs. Knowledge of the policy process and of research methods are brought together in the execution of an ethical evaluation of how well the processes, and outcomes of a program meet the needs at which the program is targeted. This course will introduce the basic concepts of planning and carrying out an evaluation, the most commonly used analytical tools, and cost-benefit and cost-effectiveness methods. It will also introduce the basic format of evaluation reports.

DEFM412 Deliberate and Crisis Planning (3 hours)

This course is a survey of the two major types of planning employed by the Department of Defense. Differences between the two and the advantages/disadvantages of each will be examined.

DEFM415 Acquisition Test & Evaluation (3 hours)

Emphasizes the basic test and evaluation (T&E) principles, policies, organizations, processes, and practices used by DOD. Course topics include the role of T&E in systems acquisition, T&E planning, experimental design, measurement of systems effectiveness and suitability, instrumentation, and data collection and management. Also covered are reliability, maintainability, and availability of systems; analysis and evaluation; software; modeling and simulation; and T&E of alternative acquisitions. Problem-solving situations engage students in the use of T&E concepts, principles, and theories.

DEFM423 Mission Support Contracting II (3 hours)

This course involves a case study in which professionals apply the knowledge and skills to demonstrate their ability to negotiate fair and reasonable prices and to consider the legal implications for various contract situations. The case study helps develop critical thinking, cost analysis, negotiation, and contract administration skills necessary for successful contract performance.

DEFM465 Military Management Senior Seminar (3 hours)

The Military Management Capstone is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in Military Management and Program Acquisition. After a review of the student's academic experience, the student and professor will design a course of study to round out the student's preparation for research and writing a major paper in their field of interest. Student must have SENIOR standing to register.

DEFM490 Independent Study: Military Management (3 hours)

This course is an opportunity for Military Management students to pursue an independent research project or examine a specific area of Management under the mentorship of a single professor. Students must have already completed 24 hours. Participation is at the discretion of the faculty member. The student will produce a major research paper. There will be no examination. Students will submit a proposal prior to the start of the project. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Nursing

NURS300 Professional Transitions in Nursing (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. Students complete a professional self assessment using the indicators for the professional nursing role outlined in the Nurse Practice Act in the jurisdiction in which they are licensed. Self-assessments of competency and comfort with technology, oral, and written communication in nursing are also completed. Action plans are formulated to facilitate development in these areas. The practitioner, scientist, and leader roles of the professional nurse provide a framework for exploring reflective practice, evidence-based practice, nursing ethics, and patient safety. The histories of nursing, medicine, allied health, public health, and global health provide a lens and context for exploring the scope of the professional nursing role.

NURS310 Assessment, Evaluation and Clinical Decision-Making (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course explores the science of nursing assessment, evaluation, and decision-making. Students develop case studies from their own practice to assess patients across the lifespan and evaluate the effectiveness of interventions. Online faculty-facilitated discussions provide the student with the opportunity to review and evaluate a variety of cases and patient presentations. (Prerequisite: NURS300)

NURS320 Integrated Pathophysiology and Clinical Pharmacology I (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This 2-course series explores common physiological patterns of co-morbidities and multiple functional problems and associated pharmacological interventions. Traditional and simulated case studies strengthen clinical reasoning for patients experiencing multiple functional problems across the lifespan, including end of life and palliative care. (Prerequisite: NURS310)

NURS330 Integrated Pathophysiology and Clinical Pharmacology II (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program and continues with content studied in NURS320. Genetics, genomics, multi-generational family histories, and health screenings are explored within the context of the professional nursing role. Case studies are used to develop clinical reasoning and identify associated coordination of care problems. (Prerequisites: NURS320)

NURS340 Science of Evidence-Based Practice (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course reviews evidence-based practice, the history of this movement, and the challenges to implementation in the practice setting. Students will further develop their skills with efficiently finding, reading, and comprehending published research and determine applicability to clinical practice. Students continue to explore means to assess, monitor, and develop cultures of safety in their own organizations and will become familiar with several national safety initiatives. (Prerequisites: MATH302, NURS330)

NURS350 Transformational Leadership and Cultures of Safety (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course includes an assignment to shadow a nurse leader for 20 hours. It is recommended that students select a nurse leader for this assignment prior to the course start. This course builds on assessments related to professionalism, culture of safety, nursing ethics and effective use of healthcare technology completed in previous courses with an emphasis on leading change in complex organizational healthcare systems. Students integrate and apply this knowledge to improve quality and build cultures of safety in their workplaces. (Prerequisite: NURS340)

NURS400 Emerging Scholarship and Trends in Healthcare (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. Students explore the rapid evolution of current nursing practice and examine historical and contemporary issues germane to their practice. Students examine changes in technology and its impact on access, cost, quality, and knowledge development. Global health and

nursing workforce issues are evaluated and discussed. (Prerequisite: NURS350)

NURS401 Caring for Today's Veterans (3 hours)

This course will address the veteran culture and the healthcare issues facing today's military veterans. Content will be drawn from the most current evidence-based literature and research related to the health care needs of this population. Special emphasis will be placed on veterans from the conflicts of the last two decades, including traumatic brain injury and post-traumatic stress syndrome. This course is open to students outside of the nursing major.

NURS402 Complementary and Alternative Medicine for Health Professionals (3 hours)

Application of complementary and alternative medicine (CAM) provides nursing and public health professionals' autonomy by allowing them to address aspects of a patient's well-being often disregarded by Western medicine. In this course, health professional learners will increase their understanding of CAM therapies and will demonstrate its implementation in a holistic care model.

NURS403 Ethics in Nursing (3 hours)

This course explores the complex issue of nursing ethics. Using a case study and reflective format, students will consider broad ethical principles that support nursing practice, including the American Nurses Association Code of Ethics. Special problem areas in nursing practice will also be addressed and discussed.

NURS404 Genetics and Genomics for Healthcare Professionals (3 hours)

This course will expand upon the basic knowledge of genetics and genomics that is taught in the core nursing curriculum. Students will learn the basic concepts of molecular genetics and discuss the impact that genetics has on selected health problems and patient populations. This course is open to students outside of the nursing major.

NURS405 Gerontology in Nursing (3 hours)

Gerontology nursing is a specialty of increasing interest and significance in the nursing profession. This course will provide students with theoretical and evidence-based content to increase their knowledge in the care of the older adult. Content includes legal and ethical challenges in caring for this growing population, as well as a discussion of the specialty of gerontology nursing.

NURS407 Nursing Care at the End of Life (3 hours)

This course will explore nursing care at the end of life. Using reflective practice and other interactive formats, students will consider care for patients of all ages and their families, as well as for themselves as caregivers. Ethical and spiritual issues, as well as cultural differences in end-of-life practices, will be discussed.

NURS408 Nursing in Disasters (3 hours)

Regardless of their area of specialty practice, nurses and other healthcare professionals must have basic competencies that allow them to effectively respond in disasters and other emergency situations. This course introduces the principles of disaster nursing and explores legal and ethical issues, working with vulnerable populations, and specific disaster situations. Disaster communication and the Incident Command System as it applies to healthcare are also addressed. This course is open to students outside of the nursing major.

NURS409 Promoting Health and Wellness (3 hours)

Students in this course will look at all aspects of health promotion. Theoretical and evidence-based literature will support practical ways in which nurses and other healthcare professionals can advocate for healthy lifestyle choices in their patient populations. Assessment, planning and evaluation of health promotion practices will be discussed. This course is open to students outside of the nursing major.

NURS410 Community Health I (4 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. The course will begin with the history and theory of community health nursing and the influences of political and financial decisions. The course will provide an opportunity to investigate social, environmental, and economic issues and available community resources. Clinical project experiences allow for assessment and planning for health education and health problems, epidemiology and cultural issues. This course includes a clinical project, which will be completed in NURS420. Students must arrange for a

BSN-prepared project mentor prior to the start of this course. They have the option to use their program mentor. Formal mentor agreements will be signed during the first week of the course. (Prerequisites: NURS400)

NURS411 Applied Genetics and Genomics for Healthcare Professionals (3 hours)

This course will expand upon the basic knowledge of genetics and genomics that is taught in the core nursing curriculum.

Students will learn the basic concepts of molecular genetics and discuss the impact that genetics has on selected health problems and patient populations. This course is open to students outside of the nursing major.

NURS420 Community Health II (4 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. In this course the student will continue to study the community as a client. The student will gain knowledge of the vulnerable and underserved populations as well as how communities are affected by culture diversity and natural and man-made disasters. Clinical project experiences allow for assessment and planning of an individual, family, and community's health. This course includes the completion of a clinical project that began in NURS410. Students must arrange for a BSN-prepared project mentor prior to the start of this course. They have the option to use their program mentor. Formal mentor agreements will be signed during the first week of the course. (Prerequisite: NURS410)

NURS498 Senior Seminar in Nursing Studies (3 hours)

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course is organized around individual student research papers and project development and serves as a capstone and culminating experience where students integrate knowledge and apply professional skills to improve the quality of health in the workplace. Students prepare formal written and poster presentations of the project. A final evaluation of progress toward meeting goals is completed. (Prerequisite: Senior status and completion of all core and major course requirements prior to enrollment.)

Undergraduate Course Descriptions

Philosophy

PHIL101 Introduction to Philosophy (3 hours)

This course is intended to equip the student with a baseline understanding of issues and concepts that compose the Western philosophic enterprise, and to serve as a point of departure for their further studies in Philosophy.

PHIL200 Introduction to Ethics (3 hours)

This course will examine the field of ethics and provide the tools for ethical decision-making. Students will analyze texts for meaning, apply theories learned to various areas of moral concern, such as war, euthanasia, divorce, and poverty. The course will also provide an overview of how philosophers have thought about moral problems and some of the solutions they have proposed. Students will develop the ability to think about moral problems in a clear and logically consistent manner.

PHIL202 Philosophy of Science (3 hours)

Philosophy of Science will introduce students to the origins and development of modern science and how that is distinguished from pseudo-science; the importance of deduction and induction and their separate methodologies; the process of the scientific method; scientific change and scientific revolutions, particularly that of Thomas Kuhn; and selected philosophical problems in the basic sciences, such as absolute space, biological classification, the modular mind, and recent discoveries of neuroscience.

PHIL300 Logic (3 hours)

This course is an examination of the historical and contemporary concepts and techniques used in logic and emphasizes modern and classical treatments of topics such as quantification and rules of inference. The course will cover the principles of induction, informal fallacies, and uses of logic in everyday life. (Prerequisite: PHIL101). NOTE: THIS COURSE UTILIZES SOFTWARE THAT CAN ONLY BE RUN ON WINDOWS OR MAC SYSTEMS

PHIL301 Ethical Theory and Concepts (3 hours)

This course examines the leading ethical thinkers, research, and writings that dominate the history of moral philosophy from the ancient to the contemporary periods, including such traditional philosophers as Aristotle, Kant, and Mill. Students will compare and contrast traditional Western theories and non-traditional, non-Western ethical theories, and recognize the main objections to traditional Western ethical theories. (Pre-requisite: PHIL101).

PHIL302 Ancient Western Philosophy (3 hours)

This course examines themes in the thought of Plato, Aristotle, and the Stoic, Epicurean, and neo-Platonist philosophers of the ancient world. It enables the student to enter the “great conversation” of western civilization as well as debate the fundamental questions that surround science, religion, self-awareness, ethics, and politics. (Prerequisite: PHIL101).

PHIL303 Medieval Philosophy (3 hours)

This course considers the synthesis of Christianity with classical pagan philosophy achieved by St. Augustine and St. Thomas Aquinas. What became of the ancients’ ideal of human knowledge in an age when philosophy became the “handmaid of theology”? What were the underpinnings of the “natural law” conception of moral and political philosophy? How did this medieval synthesis break down, on the scientific side with Galileo’s challenge to Aristotelian physics and astronomy, and on the moral and political side with Machiavelli’s portrayal of a Renaissance prince? (Note to Students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course. (Prerequisite: PHIL101).

PHIL310 Studies in Chinese Thought (3 hours)

This course is an introduction to the three great traditions of Chinese philosophy: Confucianism, Taoism, and Ch’an Buddhism. Modern translations and commentaries of the classical texts will be used.

PHIL311 Studies in Japanese Thought (3 hours)

This course is an introduction to the Japanese philosophical tradition. Zen Buddhist teachings will be examined through two quite different but equally representative schools: "zazen" - sitting in meditation, and "koan" - Zen riddles. The Bushido or Samurai teachings will also be examined. Modern translations and commentaries of the classical texts will be used.

PHIL320 Environmental Ethics (3 hours)

This course is a study of environmental issues from a moral and philosophical approach. Issues raised in the course include the moral obligation, or lack thereof, to preserve and protect the environment, the ethical presumptions that underlie environmental policy, the traditional theories of moral philosophy applicable to contemporary environmental problems, and the potential for a new conception of the relationship between humanity and nature.

PHIL400 Contemporary Issues in Philosophy (3 hours)

This course is an examination of specific topics in philosophy that are of central interest and interdisciplinary in nature. Topics are selected with reference to the areas of technology, aesthetics, philosophy of religion, as well as ethics, social, and political philosophy. Topics include but are not limited to homosexuality, abortion, drugs, civil disobedience, capital punishment, and the rights of the individual versus the rights of society. (Pre-requisite: PHIL101).

PHIL404 Epistemology (3 hours)

This course is a critical examination of problems concerning knowledge and belief; for example, how are beliefs acquired and justified, are there limits to knowledge, what is the scope and reliability of reason and experience, what counts as an explanation, how are truth, meaning and reality related? Readings will be from historical and contemporary sources, e.g., Descartes, Kant, Russell, Wittgenstein, Quine.

PHIL410 God and World (3 hours)

What is it that we name, what is it that we mean, when we say God? Although we may speak of God as if we are naming some entity or being whose identity we hold in common understanding, as we will see, God is a name used to express a range of concepts and experiences that have varying and often conflicting features. In this class we will examine some of these concepts and descriptions of experiences of the divine. Ultimately, however, this is not a study of God but of man and his attempt to understand his relation within and between God and the world.

PHIL415 Enlightenment Philosophy (3 hours)

This course follows the development of the European philosophical tradition through the age of religious upheaval, secular enlightenment, and scientific and democratic revolutions. The key themes addressed in the course include the social contract theory, toleration, freedom of thought, and the enlightenment ideal. (Pre-requisite: PHIL101).

PHIL416 Modern & Post-Modern Philosophy (3 hours)

This course is the contemporary discussion of philosophic thought. It addresses the leading thinkers and theories of the past two centuries and includes but is not limited to Hegel, Marx, Nietzsche, Sartre, and Arendt. (Pre-requisite: PHIL101).

PHIL498 Senior Seminar in Philosophy (3 hours)

This capstone course is an intensive study of major figure(s) and or movement(s) in philosophic thought. Students will integrate knowledge acquired in previous courses into critical analyses of movements, theories and principles that have influenced historical and contemporary thought in philosophy. This is a capstone course to be taken after all other Philosophy courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Political Science

POLS210 American Government I (3 hours)

This is the first course in a two-course sequence in American Government. The course is designed to convey basic facts about the structure and functioning of the American political system. The philosophical foundation of the U.S. Constitution is explored and the federalist construct is examined. The functions of the three separate branches of government and their roles in policy making are a major focus.

POLS211 American Government II (3 hours)

This is the second course in a two-course sequence in American Government. The course is designed to provide research tools and writing skills that will build on the academic knowledge acquired in POLS210. The student will investigate issues in American government in greater detail through use of Internet-based research, seminar discussions, and point papers. (Prerequisite: POLS210).

POLS212 Political Analysis: Cultural Perspectives (3 hours)

This undergraduate course is oriented around two cultural tool kits for students to use when conducting a political analysis of either people or a country. The micro-cultural tool kit focuses on Brooks Peterson's five cultural scales, measuring individual interactions between people of different cultures, but also includes many more domains. The macro-cultural tool kit focuses on five domains of culture at the societal level: development, religion, geography, ethnicity, and nationalism. With these five domains, the student will be able to analyze the cultural differences between nations and between regions of the planet.

POLS213 Political Theory (3 hours)

This course offers an overview of Western political thought from the Ancient Greeks to contemporary political theorists. It follows the rise of secularism and modernity through an Enlightenment tradition of social contract theory, shaping debates on human nature, equality, liberty, rights, and justice as the basis for civil society and democratic governance. This course is an essential foundation for the political science major.

POLS301 Ethics in Politics (3 hours)

This course focuses on providing students a study of ethics as it relates to government. Students will be presented with readings, case studies, and insightful information that will provide them the opportunity to analyze topics that will enable student discussions pertaining to ethical dilemmas in politics.

POLS311 Political Parties and Interest Groups (3 hours)

This course is a study of the various roles of political parties and interest groups in the American democratic process. Issues covered include the ideological differences among parties, the role of third party candidates, mobilization of voting blocks, the formation and types of interest groups, and political agenda development.

POLS312 State, Local, and Community Politics (3 hours)

Comparative analysis of state and local political systems in the United States. Emphasis is placed on the contemporary role of states and localities in the development and implementation of public policies. Additionally, there is an examination of the role of grass roots social movements in shaping local politics.

POLS314 Diversity Studies in Politics (3 hours)

This course examines the concept of diversity in politics in the United States and the impact of a multicultural system on political governance and social relationships. By exploring and analyzing the components of the Diversity umbrella, to include culture, class, gender, and ethnicity, students will develop an understanding of the impact of a multicultural society on the politics in America. Through structured discussions, selected readings, written assignments, and a final examination, students expand on theoretical arguments concerning current issues pertaining to diversity in politics.

POLS401 The Psychology of American Politics (3 hours)

This course is an overview of the psychological study of American politics. Various topics and issues are covered throughout the course to include the personality, leadership style and decision making of presidents, voter choices and preferences, the influence of the media and political attitudes of different groups.

POLS410 Public Policy (3 hours)

Analyzes the formulation and execution of public policy in America. Includes study of decision-making theory, bureaucratic politics and other models that seek to explain how policy is made. Issues explored include social, environmental, economic, homeland security, defense, and foreign policy. Additional issue areas may be covered depending on contemporary significance.

POLS420 Comparative Politics Parliamentary Democracy (3 hours)

This is a course comparing Parliamentary Democracy to the American Constitutional Democracy. The case study for this course will be the government of the United Kingdom. The government and politics of the British parliamentary system will be compared and contrasted with the constitutional democracy of the United States. Students will learn about the development of British parliamentary democracy in comparison with the growth and development of democracy in the United States.

POLS430 Comparative Politics Communism (3 hours)

This course is about the government and politics of communism, in theory and practice, with emphasis on China, in contrast with the theory and practice of democracy in the United States. Students will learn about the development of communist theory, about political life in communist China, and about China's political institutions. Students will also learn about the development of representative democracy in America and about the comparative merits of both systems of government.

POLS440 Comparative Politics Theocracy (3 hours)

This course compares the government and politics of theocracy and democracy. The case study for this course will be the government of Iran. The course will compare the government and politics of the Islamic Republic of Iran with the United States. Students will learn about the development of the Iranian theocratic state, how the political parties differ between the two types of government, how theocracy affects foreign policy, and how a theocratic constitution compares with a democratic constitution.

POLS491 Special Topics in Political Science (3 hours)

This course allows the students to examine an emergent issue or event in this field of study. The course will be taught in a structured seminar format. Students are required to complete a Research Paper.

POLS497 Senior Seminar in Political Science (3 hours)

Analyses of specific issues addressed at the national level that would include a review of American political institutions and decision-making; policymaking in the economic, social, and security arenas; instruments of foreign and defense policy; federalism and democratic political theories; and the electoral process. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. This is a capstone course to be taken after all other Political Science courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Professional Studies

BUSN120 Real Estate Principles (3 hours)

This course provides an introduction to real estate as a business and profession. Students will have the opportunity to discuss and review terminology, concepts and best practices for the real estate industry. Topics will include the real estate market, property rights, deeds and leases, contracts, the closing process, urban economics, brokerage, appraisal, land uses, and insurance.

BUSN121 Real Estate Practice (3 hours)

This course provides an introduction to real estate from an operations viewpoint. Students will have the opportunity to discuss and review terminology, concepts and best practices on how to manage the basic functions within the real estate industry. Topics will include structure of leases, real estate development, negotiations, marketing, and other issues associated with the real estate practice

BUSN220 Real Estate Finance (3 hours)

This course is an investigation of institutions, instruments, and structures by which investment in real estate is financed. It reviews capital markets, the sources and use of real estate funds, and the role of government in real estate finance. The course also covers technical skills involved in real estate finance, to include risk analysis, portfolio theory and management, REITs, and capital market trends.

BUSN221 Real Estate Appraisal (3 hours)

This course examines property rights and their valuations. Students will have the opportunity to discuss and review terminology, concepts, and best practices on the factors affecting the value of property rights as they relate to general economic theory and the real estate process. Topics will include real estate appraisal methods, valuation of residential and income producing property, influences on market value, and trends in the appraisal industry.

BUSN222 Real Estate Property Management (3 hours)

This course explores the role and major functions of the property manager. Students will have the opportunity to discuss and review terminology, concepts, and best practices for landlord policies, operational guidelines, leases and lease negotiations, tenant relations, habitability laws and the Fair Housing Act. Topics will include the impact of electronic technology on the industry and fair housing regulations.

Undergraduate Course Descriptions

Psychology

PSYC101 Introduction to Psychology (3 hours)

The course introduces students to the art and science of Psychology. Course emphasis is on applying the "science of human behavior" to a variety of settings: vocational, personal, academic, and clinical. Course content introduces the history of psychology, major theories of personality and learning, current research and developmental issues. The course has a holistic approach and integrates the biological basis of behavior, social factors, learning and the unique coping styles of the individual to understand human behavior.

PSYC102 Professional Careers and Education in Psychology (3 hours)

This course provides an overview of psychology as a profession and academic discipline. It focuses on the broad discipline of psychology and its subspecialty areas within the discipline, career opportunities available in the field and educational requirements for field entry, effective job and graduate program preparation strategies, and practical issues confronting psychologists and professionals in related occupations.

PSYC201 Introduction to Social Psychology (3 hours)

This course introduces students to historical and contemporary theories of social psychology, key theorists' contributions to the field of and practical applications of theoretical concepts in the real world of the individual functioning in group settings. The focus of study includes social judgments and decisions, attitudes and perception, social influence, attraction, aggression, altruism and group pressure and their influences on human behavior, cognition and emotion, along with exposure to the methods of social scientists who study group influence on human behavior in the field.

PSYC221 Personality Theories (3 hours)

This course provides a broad overview of theories of personality. Course content includes psychodynamic, behavioral, cognitive, and humanistic perspectives, and examines contributions of major theorists from each school, key theoretical points from each perspective, critiques of the value (and the limitations) of each theory.

PSYC300 Research Methods in Psychology (3 hours)

This course focuses on laboratory and field research methods applied in the study of human behavior. Course content emphasizes the development of sound methods of hypothesis testing, data interpretation and formal research report writing, the review of empirical, peer-reviewed literature, the critique and interpretation of applied research and the ethical responsibilities and codes of conduct related to psychological research

PSYC303 Learning and Cognition (3 hours)

This course examines basic learning processes within the context of classical, instrumental, and operant learning situations. Course content focuses on classical conditioning, instrumental learning, principles of reinforcement, punishment and avoidance conditioning, stimulus generalization and discrimination, retention and forgetting, nature and functioning of memory, and learning and performance of motor skills.

PSYC304 Perception (3 hours)

This course provides an introduction to the study of how humans organize and interpret stimulation arising from their environments. Course content includes a review of theory, methodology, and research findings. Illustrative case studies will be explored, particularly with regard to disorders of perception.

PSYC305 History and Systems of Psychology (3 hours)

This course examines the major antecedents of modern psychological theories and methodology. Course content focuses on the history of psychology as a field of scientific inquiry, including an overview of development of schools of thought, prominent figures, and key theories. (Prerequisite: PSYC101).

PSYC324 Psychology of Addiction & Substance Abuse (3 hours)

This course focuses on the role of drugs in society, licit and illicit substances, the use and abuse of medical drugs, and the state of the field in terms of prevention and treatment for substance abuse and dependence.

PSYC325 Biopsychology (3 hours)

This course surveys anatomical structures and functioning as the biological bases for human functioning and psychological states. Topics investigated include sensory processing, movement, emotional expression, sleep, learning, memory, language, reproduction and psychopathology

PSYC343 Adult Development (3 hours)

This course is an in-depth study of the developmental processes from the transition to adulthood through old age. Course content examines the ways adults construct meaning, including intellectual, moral, and personality development. Gender and culture are highlighted, and particular emphasis is placed on understanding the influence of context on adult development.

PSYC360 Psychology of Terrorism (3 hours)

This course is an introduction to historic and contemporary terrorist groups and their motives and strategies. The psychological and social impact on individuals, communities and global societies of the achievement of terrorist goals as well as recruitment methods, the influence terrorist groups exert on their members and factors influencing the establishment and dissolution of terrorist groups will be examined.

PSYC406 Psychopathology (3 hours)

This course surveys syndromes of psychopathology, by reviewing etiology, symptomatology, and treatment. Psychological, neurobiological, and genetic approaches to understanding mental disorders are considered. Topics also include depression, anxiety, schizophrenia, personality disorders, memory disorders, and childhood disorders.

PSYC431 Psychology of Disaster (3 hours)

This course focuses on the psychological and physiological human response to natural and man-made disasters. Using clinical research and case histories, students will examine normal and abnormal psychological reactions, the recovery process and principles of mental health care for victims of mass disasters. Differences between natural and man-made disasters are examined and factors that mitigate post-traumatic effects are reviewed. Psychological aspects of Weapons of Mass Destruction (WMD) disasters are also considered.

PSYC432 Psychology of Combat (3 hours)

This course is a study of acute and chronic behavioral response to battle. Students will review, analyze, and evaluate the range of psychological responses to combat, from "normal" reactions to variations of "Combat Stress Reaction." Case studies from combat action will provide material for application and synthesis of the concepts presented in the course. Topics include the U.S. military approach to psychiatric management of combat, POW experiences, mental adaptation for future warfare, and stress associated with other forms of conflict, such as peacekeeping.

PSYC460 Sports Psychology (3 hours)

Students will examine human behavior in a sport and exercise setting. They will understand that enhancing individual performance is a primary objective of sport psychology. Students will learn how to create a psychological skills training program, which incorporates theories of anxiety reduction, imagery training, and self-efficacy. Current theoretical perspectives of personality factors in exercise and sport, why people exercise, what motivates an individual, exercise/sport adherence, stress, anxiety, and arousal, and the psychological effects of exercise and sport will be investigated. Students will learn the key features of effective goal-setting, and apply this understanding to their own professional development.

PSYC490 Independent Study: Psychology (3 hours)

This Independent Study course provides an opportunity for undergraduate Psychology students to examine in depth, and with individualized guidance from a professor, a specific area within the discipline of psychology. The course is open to upper division Psychology majors only. Independent Study course sections are 8-weeks long and run during the University's regular monthly course offering cycles. Completing of this course off cycle or for less than 3 credits is not permitted. No exams are included in the course. Course completion will involve weekly in-classroom engagement with the Independent Study professor, to be

accomplished via asynchronous discussion board engagements, assignment grading feedback and email, and the multi-phased completion of an in-depth peer-reviewed literature review paper with a required minimum length of 20 main body pages and formatted per the editorial requirements of the American Psychological Association (APA), along with the completion of any other supporting assignments to be determined by the professor. Independent Study involves advanced-level student work held to rigorous standards and it should not be attempted merely as a means of earning 3 credits needed to finish up a degree. To be eligible to register for the course, a student must be actively enrolled in the undergraduate Psychology degree program and must have completed 24 hours at APUS toward the degree. Prior to attempting PSYC490 registration, the student must first have identified an Independent Study topic focus of interest, and must have discussed the proposed topic with and obtained a memo of commitment from a professor agreeing to teach the course. The student also must have subsequently obtained approval from the Psychology Program Director prior to any registration attempt. Ample time for meeting these responsibilities must be allowed and attempts to do so should not be made during the final week before the registration period for the target course session closes, as each required step in the process necessitates consultation and review turnaround time. A month of lead time is strongly recommended. Following completion of these responsibilities, the student will be notified that a section of PSYC490 Independent Study has been opened for individual registration. The student must then complete official online registration for the course prior to the ending of the regular course registration period (late registration for this course is not permitted), enter the classroom during Week 1 to connect with his/her professor, review the course syllabus and all other classroom materials, and subsequently complete each week of the course as required by the professor. Pre-requisite: PSYC101 Introduction to Psychology. Available to upper division APUS Psychology majors only. Must have completed 24 hours at APUS toward current degree program. (Prerequisite: PSYC101).

PSYC498 Senior Seminar in Psychology (3 hours)

Senior Seminar in Psychology is the capstone course of the BA in Psychology degree. Students completing this course will investigate career opportunities in the field and professional organizations supporting practitioners in field specialty areas, build knowledge and skills needed for next steps following degree completion for undergraduates applying to graduate school or seeking post-baccalaureate employment, demonstrate an ability to locate and synthesize scholarly published material, and interview a professional in the field. Students must have SENIOR standing and have completed all required psychology degree courses to register for this course.

Undergraduate Course Descriptions

Public Administration

PADM300 Public Management (3 hours)

This course provides a systematic analysis and overview of the management of public organizations. The functions, operations, processes and tools of public management are examined to ensure the student has a broad understanding of the field and its role in American civic life. The overall theme of the course focuses on the need for results oriented management that improves the performance of public organizations.

PADM301 Public Economics (3 hours)

The course introduces the basic principles and application of micro and macro economics in the public sector as government interacts with the private sector. Analysis broadly includes supply and demand, operation of markets, consumer and enterprise behavior, competition and monopoly, income distribution, discrimination, and alternate approaches to ensure social economic well-being. Core principles within the framework of national income, national security planning and objectives, unemployment, inflation, economic growth, depression, prosperity, international economics, economic development, alternative approaches to economics, and current issues and controversies are also examined. The overarching intent of the course is to help students understand public policy issues from an economic perspective.

Undergraduate Course Descriptions

Public Health

PBHE111 Introduction to Health Care Administration (3 hours)

This course presents information and insight that identifies the challenging and overarching issues surrounding Health Care Administration. It carefully examines the broad functions, operations and tools of the field and emphasizes the need for excellence in the management of health services. This course will assist students as they prepare for health services management careers and provides an ongoing program of professional development for those already employed in health professions. The course is divided into three parts: Managing in Health Services Environments, Managerial Tools and Techniques, and Managing Relationships.

PBHE112 Health Services Organization (3 hours)

This course examines Health Service Administration, primarily The Structuring Policies of Federal, State, and Local Organizations. PBHE112 reveals the framework of the United States Healthcare System; the organization and administration of health services; the roles of international, federal, state, and local health organizations; and the barriers to health services delivery.

PBHE209 Wellness: Health Promotion and Disease Prevention (3 hours)

This course introduces students to the wellness concept, which builds the foundation for health literacy and an appreciation for life-long health and physical fitness. The components of wellness will be studied in this class, including physical, intellectual, emotional, social, spiritual, environmental, and occupational, with the goal of promoting and advocating for self-responsibility, health literacy, and a life-long commitment to wellness.

PBHE211 Public Health in America (3 hours)

This course discusses the important role that public health plays in the United States. Students will examine how behavioral, epidemiological, environmental and social factors influence the public's health, and how public health professionals develop appropriate intervention strategies to improve the nation's health. Students will also explore future challenges facing public health professionals in the 21st century.

PBHE315 Health Economics and Finance (3 hours)

This course is designed to provide the student with tools used to express the financial and economic components of the health care industry. The student will develop a vocabulary in addition to gaining knowledge in the use of graphs, charts, tables and reports. The student will utilize these tools to assess past and present analysis as well as projecting future developments.

PBHE361 Moral Issues in Health Care (3 hours)

This course is an examination of moral issues and dilemmas within the health care profession based on associated ethical theories and principles. The course puts special emphasis on patient's rights, social justice of health care, and evolving health care technologies.

PBHE413 Special Operations in Emergency Medical Services (3 hours)

This course deals with the specialized issues associated with emergency medical services—those issues that are not commonplace or part of everyday procedure. Topics include emergency medical services in mass casualty, biological, chemical and radiological incidents. The course also covers unique topics in emergency medical services, to include the employment of services in complex contingencies, such as those faced when fire, police, terrorist, and other emergencies co-exist with the need to provide medical services on-scene and post-disaster.

PBHE426 Quarantine (3 hours)

This course is a study of the theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure. Students will learn quarantine strategy, implementation, effectiveness, and debate. The course topics will include the consideration of quarantine as a health and safety measure in modern homeland security strategy.

PBHE427 Epidemiology (3 hours)

This course provides an introduction to epidemiologic concepts and approaches to population problems in public health. It covers a wide spectrum of topics, to include outbreak investigation, test properties, and study design. The course will provide understanding of disease and disease transmission, rates and proportions associated with different forms of outbreak, and epidemiological risk management methods and measures.

PBHE441 Comparative Public Health Systems (3 hours)

This course examines several countries' public health systems to uncover similarities and differences between and among them. Addressed in this pursuit are the political, economic, service, expense, and other major issues associated with the many different forms that public health takes around the world. Inherent in this course is the discussion of the various public health tradeoffs that are made in all societies based on limited resources and competitive priorities.

PBHE498 Senior Seminar in Public Health (3 hours)

This senior capstone course allows students majoring in public health to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Public Health courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Religion

RELS101 Introduction to the Study of Religion (3 hours)

This introductory course explores the basic nature of religion, both historical and contemporary, and familiarizes the student with a multidisciplinary approach to religious study. Students examine the importance of religious thought and expression, from the viewpoints of both a participant and a critic.

RELS201 Introduction to World Religions (3 hours)

This course introduces the major religions of the world with attention to origin, history, beliefs and practices. The course provides a balanced consideration of both Eastern and Western religions. No force has influenced human life and civilization more than religion; no understanding of human affairs, on an individual scale or a global one, can succeed without comprehending it.

RELS202 Religion in America (3 hours)

This course examines the variety of ways in which religion is found in contemporary American experience. Course content focuses on the changes within traditional historical religions as well as new religious groups which have evolved within American society.

RELS211 Introduction to the Old Testament (3 hours)

This course acquaints students with the content and major themes of the Old Testament and familiarizes them with important contemporary scholarship which helps to illuminate the biblical documents. Course content explores the socio-political and religious forces that shape the thirty nine books of the Old Testament and examines the enduring significance of their diverse messages.

RELS212 Introduction to the New Testament (3 hours)

This course provides a detailed exploration of the historical and religious context, literary styles and theological themes of each of the twenty-seven books of the New Testament, and offers an overview of current New Testament studies.

RELS311 Introduction to the Bible (3 hours)

This course explores the languages, canonization, organization and translation of the Bible. The genres of narrative, poetry, wisdom, law, prophecy, gospels, parables, letters, and apocalypse are analyzed in order to thoughtfully read the Bible without the aid of other reference works. This course is foundational to further Biblical study.

RELS314 Catholicism and the Modern World (3 hours)

This course examines the Catholic Church as a modern institution, to include its political and social influences around the world, its primary leaders, its current doctrine, its organization, and the issues it faces for the future.

RELS321 Black Religion in America (3 hours)

This course examines black religious movements, including the black church, black Jews, and the nation of Islam. Students will trace the history of black religious movements in America by starting with African-American religion as it was originally practiced in Africa, followed by the religion of the slaves, the beginning of the black church movement, and the de-Christianization of the black church by black Jews and by members of the nation of Islam.

RELS330 Religions of the Middle East (3 hours)

This course is a study of the three primary religions whose origins were in and which are still practiced in the Middle East: Judaism, Christianity, and Islam. For each religion, topics include history, culture, beliefs, scriptures and practices. Variations within the religions will be studied in context of their expression in the Middle East. In addition, the relationship of the three in the present day context will be studied, as well the influence of the religions on political and social situations.

RELS350 Hinduism (3 hours)

This course introduces students to Hindu religious life with the primary focus being on the examination of some key concepts (such as dharma, samsara, atman, maya, moksha, artha, monism, and pantheism), along with an attempt to have a firm grasp

of the meaning of religious ideas, symbols, and practices, as related to the participants. Course topics include the disciplines (yogas) of devotion (bhakti), action (karma), knowledge (jnana), ethics, and the major schools of thought.

RELS351 Buddhism (3 hours)

This course is a study of Buddhism's major historical movements and cultural expressions. Students examine the origin and development of the teachings, rituals and institutions of the Buddhist tradition in South Asia since the beginning of the common era to the present day. Course topics include the life and times of Siddhartha Gautama ("the Buddha"); implantation in East Asian societies of the various forms of Buddhism that developed in South Asia; development of new Buddhist "schools" in East Asia; relationships between Buddhism and the other religious traditions in East Asia; relationships between Buddhism and the State; early Buddhist community; popular Buddhist piety and social movements; development of the three main branches of the Buddhist tradition, and the role of women in Buddhism.

RELS352 Muhammad (3 hours)

The course examines the life and experience of Muhammad, the Spokesman of Allah, the Prophet of Allah, the Messenger of Allah, and Prophet of Islam. Course content includes the context of his role in a world religion and world politics and addresses the way Muhammad served as the ideal model for Muslim life, particularly in terms of being the Final Messenger, the Last Prophet.

RELS353 Islam (3 hours)

This course is an introduction to Islam - and its associated civilization - through readings, case studies, projects, and interaction within the classroom. Course content will examine the people and nations that practice this fascinating religion.

RELS405 Myth and Ritual (3 hours)

This course is a study of the role of myth and ritual in historical terms as well as modern myth and ritual developments. Students explore the influence of pervasive myths and rituals in society as they are infused throughout people and religious thought. Students will examine the continued influences of classical, religious and new myths in American popular culture and society today.

RELS411 Religious Existentialism (3 hours)

This course is a study of the set of philosophical ideals that emphasizes the existence of the human being, the lack of meaning and purpose in life, and the solitude of human existence. The course will cover the existentialist philosophy and its leading historical proponents.

RELS412 Religious Fundamentalism (3 hours)

The local and global significance of religious fundamentalism seems to be growing exponentially in recent times, in terms of both media coverage and political influence. This course explores the historical development (i.e., trigger conditions), contemporary expressions, and potential forecast of fundamentalist movements across religious, socio-political and geographical boundaries.

RELS422 The Teachings of Jesus (3 hours)

Jesus Christ has impacted the world unlike any other person in history. Profound and multifaceted, Jesus' life and teachings are explored through the careful study of the history, culture, miracles and teachings presented in the four ancient Gospel accounts of Matthew, Mark, Luke and John.

RELS441 Modern and Contemporary Judaism (3 hours)

This course explores modern and contemporary Judaism. Students examine how Jewish traditions have adapted (or have not) within the context of modern society and study Jewish ideas and beliefs within the context of historical events and cultural trends.

RELS452 Religious Cults (3 hours)

This course examines religious cults that span specific times and religions. Its focus is on the causes of cult formulation, cult leadership, cult purpose, and cult interactions with the outside world. Course content also explores what is meant by the terms "cult," "new religious movement," and "alternative religion," using historical and contemporary examples to illustrate these ideas.

RELS480 Celtic Christianity (3 hours)

This course introduces the student to a unique period in the history and development of Christianity (4th through 9th centuries.) The Celtic lands were influenced by Christianity, yet remained somewhat apart from the mainstream religious views and effects. This course will explore the uniqueness of Celtic Christianity, both then and now, through its many aspects – spirituality, art, symbols, history, archaeology, music, writings, geography, education, influential individuals, saints, etc.

RELS498 Senior Seminar in Religion (3 hours)

This is a capstone course that explores contemporary issues and beliefs in religion and events of particular historical importance to the discipline. Course content includes the integration of a critical analysis of selected sacred scriptures, collection and review of religious adherents' expressions and experiences, and a synthesis of all research into a final written project. This is a capstone course to be taken after all other Religion courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Retail Management

HRMT390 Human Resource Manager Integration Course (3 hours)

This course is only for Walmart Market Human Resource Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of strategic human resource management; human resource development; organizational behavior; ethics; employee and labor relations; communications; talent management; dispute resolution and safety. Competency based assessment of job learning demonstrates that students taking this course have : inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for 10 courses in the subject areas above.

RTMG150 Retail Organization Fundamentals (3 hours)

Students taking this course should not take MGMT201. Students will define the basics of retail management functions, principles and techniques found in today's marketplace. Students will also explore ideal characteristics and responsibilities of an effective department or store manager ranging from legal and safety scenarios to understanding the role and importance of logistics to various retail establishments. Embedded in this study of retail organization fundamentals is a focus on the individual, as a contributor, their roles and responsibilities in the retail environment. While, the organizational structure of a retail store may vary by the size and type of the business, most tasks involved with operating a retail business are similar. Some exceptions that are studied include the reality that small or independent retail stores may combine many sectors together under one division, while larger stores create various divisions for each particular function along with many layers of management. A small specialty shop may have all of its employees under one category called Store Operations. A large department store may have a robust staff consisting of a manager, assistant manager and sales associates for its Sporting Goods department, Home and Garden, Bed and Bath, and each additional department. Students will have the opportunity to explore these variations.

RTMG200 Customer Relations (3 hours)

Students will receive an introduction to customer relations principles including the concepts and practices for delighting customers in ways that lead to effective customer satisfaction. Students will be introduced to the basics of customer relations functions, describe ideal characteristics of good customer relations, and apply them to individuals in both small and large retail organizations. Customer relations is the front line interface between an organization and its constituents. How customers are greeted and treated can influence decisions to do business with a particular retail enterprise. Effective customer relations strategies include effective listening, oral and written communication, analytical and problem solving skills and teamwork based on the organization's commitment to meet customer needs while making customers feel welcome and valued. Customer service in this class is focused on applications and recognition of professional skills and culture required in a retail environment to provide outstanding customer service. Also included will be a discussion of impact that poor customer relations can have on company reputation, retail success and sustainability of customer loyalty. Methods and approaches to addressing problems will be applied including management of conflicts when they occur.

RTMG201 Retail Inventory Management (3 hours)

Retail inventory management is a strategic factor in retail environment success. In this course students review Retail inventory management processes and methods used to keep track of stock. These methods control ordering, shipping, receiving, tracking inventory, retail turn-over, and storage. Retail inventory management is a significant factor in managing a business' profits at a steady margin as well as reducing theft and loss of inventory. Many retail businesses lose money every year because they do not have a successful inventory management system in place. Students will review the following functions for a retail business: Tracking and managing the inventory for the business to keep up with store markdowns; Evaluating how well groups of products perform in sales; Provides analysis for comparison shopping with competitors; Collecting data on the sales and inventory of individual stores using SKU; and Methods to accurately review inventory. Students will distinguish between large and small retail organizations, and variations in inventory management based upon the nature of the inventory (perishable, seasonal, fashion, etc) An analysis of skills, tools, and resources required for effective inventory management will be reviewed as well as strategies

for keeping inventory current and ways to identify and mitigate inventory management challenges and risks in order to support retail organization profitability.

RTMG202 Risk Management (3 hours)

This course enables students to identify, define, and explain risk situations and to develop management concepts, techniques and processes and understand from a company perspective the impact of safety and compliance policies. To understand risk management students will examine risk management origins and trends from an insurance perspective in retail and develop skills in interpreting the impact that unresolved risk management issues can have on compliance, safety and the bottom line. Risk management is about insurance and developing policies to mitigate risk. This strategic focus and its application are covered in this class.

RTMG203 Commercial Safety (3 hours)

Students will define the commercial safety environment and extrapolate various trends in commercial safety, to include strategies and characteristics of a safe work environment, and ways to mitigate potential safety risks. Students will review and analyze case studies and scenarios about employee safety policies and practices and examine the manager's role to drive safety compliance in order to sustain brand image. In addition, they will examine team safety training and understand practices that emphasize the importance of individual compliance. Students will identify how to establish a corporate safety structure and define and explain the characteristics of an effective commercial safety training system. Finally an examination of best practices to protect employees and to drive continuous improvement in safety practices will be conducted by students.

RTMG204 Finance Fundamentals (3 hours)

During this course, students will develop a basic vocabulary and application of finance functions and principles. Students will describe the importance of knowing retail based calculations such as retail pricing, markup, and gross profit. They will relate the concepts of retail math (initial margin, markdown, shrinkage, gross profit dollars and percents) to finance and to the overall business success of the retail enterprise. They will define and apply ending inventory, retail cost, cost compliment, net profit, net sales, controllable expense, and non-controllable expense. Students will examine how retail finance can be applied to products and services in a wide variety of situations and how to review a project and evaluate the financial situation.

RTMG220 Retail Asset Protection (3 hours)

This course is an overview of the principles and issues in business asset protection. Students examine the challenges embodied in various aspects of physical, personnel, and information security. Principles of loss prevention and the protection of assets are also considered. The functions, operations, processes, and tools of security management are explored to ensure the student has a broad understanding of asset protection and its current role in business operations

RTMG221 Retail Photo Operations (3 hours)

Students will define the basics of retail photo operations, principles and techniques found in today's marketplace. Students will learn how to present the photo department to customers as well as the details of the supporting photo center operations. Students will learn the current types of photographic equipment, how to maintain inventory and account for financial transactions. In addition, students will learn what advanced techniques are now available and be able to distinguish the differences from older film products. While the organizational structure of a retail store photo operation may vary by the size and type of the business, most tasks involved with operating a retail photo center are similar. Comparisons will be made to the advantages of a small specialty shop versus a department a in large retail operation. Students will have the opportunity to explore these variations.

RTMG295 Retail Management Seminar (3 hours)

This course is a culminating course for the Associate of Arts in Retail Management. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Retail Management. The student will complete an approved academic project or paper that demonstrates a grasp of management study. This is a culminating course to be taken after all other Associate of Arts in Retail Management courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. This course is to be taken the LAST course in the A.A. in Management program.

RTMG300 Retail Strategy (3 hours)

Students in this course will use analytical techniques for diagnosing the competitive position of retail focused strategy and to discover specific retail options. They will discover the strategic perspectives of retail management by examining essential concepts in the retailing industry, determining and calculating how retail businesses increase returns, and determining ways they create economic value for owners and stakeholders. Students will contrast how today's managers assess and implement strategies and apply planning used by successful retailers. They will explore the retailer's role in society providing insights as to how consumers behave as shoppers, what retailers do to create demand as well as their role in satisfying customer demands. In addition, students will discuss strategy from the perspective of planning for success as well as identifying challenges and problems that occur when retailers do not react to rapid changes in the marketplace to remain competitive and meet the ever-changing demands of the consumer.

RTMG301 Retail Innovation (3 hours)

Retail innovation is a new or significantly improved service concept that is taken into practice. It includes examples such as: new customer interaction channels, a distribution system or a technological concept or a combination of them. A service innovation always includes replicable elements that can be identified and systematically reproduced in other cases or environments. The replicable element can be the service outcome or the service process as such or a part of them. Innovation benefits both the service producer and customers and it improves its developer's competitive edge. Retail innovation is a service product or service process that is based on some technology or systematic method. In retail however, the innovation does not necessarily relate to the novelty of the technology itself but the innovation often lies in the non-technological areas. Retail innovations can for instance be new solutions in the customer interface, new distribution methods, novel applications of technology in the service process, new forms of operation with the supply chain or new ways to organize and manage services. The course provides a study of how retailers must continually review and introduce innovational concepts to remain competitive and explore how patterns change in markets creating both opportunities and threats to retailers.

RTMG302 Retail Operations (3 hours)

Retail Operations involves managing the day-to-day functions of retail establishments like department stores, grocery stores and specialty shops. This course is concerned with the formulation and analysis of these operations and the policies that collectively determine how a retail oriented business positions itself to increase its returns and create economic value for its owners and stakeholders. Students will be introduced to analytical techniques for diagnosing the competitive position of retail focused strategy, and identifying and analyzing specific retail operation options (consisting of such things as the sale of goods or merchandise from a fixed location, a department store or kiosk, or by post, in small or individual lots for direct consumption by the purchaser. Students will cover the functions and applications of various retail operations theory and the needs of today's managers in assessing and implementing retail operations used in the supporting functions in the workplace.

RTMG303 Retail Merchandising Operations (3 hours)

Students in this course will review retail merchandising operations Retail selling effort is the principal task of in-store sales personnel through the use of promotions designed by a manufacturer, such as unique displays, giveaways, or discount and premium offers. In this case, merchandising is the act of managing and arranging the merchandise on display in a store so as to promote its sale. Its importance in a competitive market to include the relationship between retail merchandising operations and corporate profitability will be examined. Students will discover the various retail merchandising operations including planning, organizing, staffing, directing, leading and controlling as well as analyzing the competitive market and how the many different concepts of retail merchandising operations are needed for today's managers to continue to increase profits for their shareholders. Students will discover how today's competitive and global organizations utilize techniques and resources to succeed and remain profitable.

RTMG390 WalMart Facility Manager Integration Seminar (3 hours)

This course is only for Walmart Store Managers, Walmart Market Managers or Sam's Club Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; ethics; communication; strategic management; retail strategy, operations and merchandising; consumer behavior; talent management and risk management. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer

credit for the designated courses for their position in the subject areas above.

RTMG391 WalMart Buyer Integration Seminar (3 hours)

This 16 week course is only for Walmart Buyer's or Sam's Club Buyer's either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; communication; strategic management; retail strategy; consumer behavior; retail operations; retail merchandising operations' customer relations and finance fundamentals. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG395 Sam's Club Assistant Manager Integration Seminar (3 hours)

This 16-week course is only for Sam's Club Assistant Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of food service sanitation; human resource management; management communications; retail organization fundamentals; customer relations; retail operations; and retail merchandising operations. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG396 WalMart Hourly Supervisor Integration Seminar (3 hours)

This course is only for Walmart Department Managers/Merchandise Supervisors (all sub categories), Walmart Zone Merchandise Supervisors, Walmart Photo Supervisors/Department Managers or Sam's Club Hourly Supervisor (Team Lead) either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of retail organization fundamentals, customer relations, retail inventory management, commercial safety and finance fundamentals. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

RTMG495 Senior Seminar in Retail Management (3 hours)

This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Retail Management. The student will complete an approved academic project or paper that demonstrates mastery of retail management studies. This is a capstone course to be taken after all other core courses have been satisfactorily completed. Student must have SENIOR standing to register.

RTMG499 Independent Study Retail Management (3 hours)

This course is an opportunity for Retail Management students to pursue an independent research project or examine a specific area of Retail Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. The student will produce a major research paper, and complete a series of smaller papers. There will be no examination. Students will submit a proposal prior to the start of the project.

SCMT395 WalMart and Sam's Asset Protection Manager's Integration Course (3 hours)

This course is open only to Walmart or Sam's Club market asset protection managers either currently serving or those having served in the past as validated on the Career Portfolio. This course is designed to integrate theories, best practices, case studies with practical application in the areas of human relations, public speaking, security issues and administration, physical security, crime analysis, commercial safety, talent management and risk management. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and will include specific required readings. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above.

TLMT390 Walmart Logistics General Manager Integration Seminar (3 hours)

This course is only for Walmart Logistics General Managers and Assistant General Managers either those currently serving or those who have served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the subject areas of public speaking; communication; logistics management and operations with a business focus, human resource management, safety, finance, and asset protection. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for 10 courses in the subject areas above

TLMT395 Walmart General Transportation Manager Integration Seminar (3 hours)

This 16-week course is only for Walmart Logistics General Transportation Managers either currently serving or those having served in the past as validated on their Career Portfolio. It is designed to integrate theories, literature and practice in the areas of public speaking; emergency and disaster incident management; human resource fundamentals and management; management communications; commercial safety; finance fundamentals; logistics management; distribution systems; and logistics management and operations. Competency based assessment of job learning demonstrates that students taking this course have inherent practical and applied knowledge in all of these areas. The course will provide coverage in gaps in theories and discipline specific literature. On successful completion of this course, students will be awarded transfer credit for the designated courses for their position in the subject areas above

Undergraduate Course Descriptions

Reverse Logistics Management

RLMT301 Introduction to Reverse Logistics Management (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's wide range of practices in reverse logistics applications in manufacturing, retail and in the military. It includes the many definitions related to reverse logistics, the different scope, practices, procedures and processes of reverse logistics as compared to forward logistics. It explores the various dilemmas practitioners face in designing a reverse logistics system. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT302 Environmental Issues in Reverse Logistics (3 hours)

This course provides students with an overview of sustainment of materials recovered from waste management programs. Students will study environmental regulations and their impact on company's plans to dispose of unused or waste materials into landfills or recycling programs. Students will gain a perspective on how reverse logistics can work to improve the environment to help increase the value of the company's products, and increase revenue in the process. The student will evaluate the direct and indirect impact of reverse logistics operations and the impact on the local and regional and world environment. The "green" movement will be explored as a competitive advantage. The student will study various recycling processes for various products, from automotive to clothing to food and beverages.

RLMT303 Technology in Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore how tracking and tracing technology, such as GPS, bar codes and Radio Frequency Identification (RFID) tags can be used in reverse logistics operations for returns, recalls, recycling and waste management. Case studies of today's best practices in reverse logistics technology used in manufacturing, retail and in the military will be studied and discussed. Packaging technology and the growth of new types of packages to reduce waste will be examined. A comparison will be conducted on how different technology is used in processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships regarding the use of technology to capture data for products flowing in the reverse logistics system. Data synchronization and the issues of interfacing legacy software systems or information technology systems will be explored. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT304 Reverse Logistics Policies and Procedures (3 hours)

This course demonstrates the 21st century importance of strategic reverse logistics planning in contributing to corporate profits, customer service enhancements leading to higher sales and a marketing weapon to gain sustainable competitive advantage. The importance of moving information becomes equal to the movement of goods but is different when working in forward logistics compared to reverse logistics operations. Federal and state regulations regarding waste management and the handling of recycled materials will be examined. Managerial perspectives are offered on aligning corporate planning, technology, financial controls and reverse logistics performance measurement. Students will also gain an overview on the interaction among stakeholders in the public and private sectors in aligning public policy with global uncertainties when implementing reverse logistics operations.

RLMT305 Cost and Benefit Analysis of Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore the financial management components needed to develop best practices in reverse logistics applications in manufacturing, retail and in the military. A systems view of total life cycle cost will be calculated and compared to the benefits or value added by incorporating a reverse logistics process to manufacturing and retail operations. Students will analyze a potential reverse logistics case study to determine the short and long term financial implications to the company and to the environment. The student will examine how to define the problem and the core

assumptions that define the problem space. This course is intended for students and professionals working in an organization that uses or is considering using reverse logistics.

RLMT306 Green Logistics Programs and Issues (3 hours)

This course provides students with an understanding of sustainability and environmental issues and programs for today's logistics and supply chain manager. Students will examine recycling activities of several corporations and examine "green" technology initiatives from using energy-efficient lighting to using wind and solar power. Legislation and regulations will be examined and discussed that place boundaries on greenhouse gases in manufacturing and in retail operations. International impacts on U.S. policies and programs, such as Cap-and-Trade will be examined in relationship to similar programs in other countries. The definition and potential impact of global climate change will be discussed. The student will examine how different manufacturing and distribution companies are complying or not with the Carbon Footprint concerns.

RLMT307 Food and Beverage Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications to the food production and distribution industry as well as the beverage industry. The student will study new container and packaging designs, such as the TEDSBOX, to help eliminate the spoilage factor of food and beverage movement in a reverse logistics operation. The issue of food and beverage is complex with many solutions from retail grocery giants. How to process returned food and beverage items will be explored and options discussed. Field survey of a grocery store or commissary near the student will be encouraged in order to obtain the unique language used in each type of retail store. Recycled food and beverage items will be examined in order to reprocess basic ingredients, such as sugar, to be resold in the marketplace next to virgin sugar. This course is intended for students and professionals working in manufacturing and retail reverse logistic who are concerned with returns and unsalable products.

RLMT308 Consumer Electronics Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications to consumer electronic (e.g., cell phones, TVs, iPad, laptops, etc.) production and distribution industry. The issue of e-waste will be explored as part of the environmental impact on people. Case studies of e-waste will be discussed along with policies and procedures for curbing environmental impacts. The issue of consumer electronic returns and recycling is complex with many solutions from major computer manufacturers and retailers. How to process returned consumer electronic items will be explored and options discussed. Recycled electronic parts such as precious metals will be examined in order to reprocess these basic components, such as computer chips or special wiring, to be resold in the marketplace next to original raw or processed materials. This course is intended for students and professionals working in manufacturing and retail reverse logistics, and policy makers, who are concerned with returns and consumer electronic products.

RLMT309 Reverse Logistics Management and Operations (3 hours)

This course provides students with an overview of today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of adding a reverse logistics operations center to a forward logistics supply chain. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. Case studies of Central Returns Centers are examined and core assumptions derived to help define the steps to follow in setting up a Central Returns Center. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT310 Hazardous Materials Handling in Reverse Logistics (3 hours)

This course focuses on the organizational use of hazardous materials, including, the Environmental, Health and Safety (EHS) impact of their use on the organization engaged in reverse logistics operations, such as waste management, recycling and returns management. Issues raised include the overall economic, social and environmental costs of chemical and electronic parts usage. Emphasis is on actively reducing chemical use, chemical wastes and toxic metals from consumer electronic equipment. A set of industrial applications will be used as an informal standard to create a working model adaptable to any organizational entity considering reverse operations. Full life cycle management is emphasized and the relationship between daily operations and compliance training will be examined for a reverse logistics operation. This course is also a study of the managerial and social

issues associated with hazardous materials consumption as a result of returns, recycling and waste management of products.

RLMT311 Reverse Logistics Economics (3 hours)

This course provides the student with a coherent and integrated framework for understanding aggregate reverse logistics activity, based on micro and macro-economic principles. The student is presented examples and case studies to examine reverse logistics activities in the United States. Students will discuss and provide their own evaluation of key variables, including patterns of demand, to be considered in generating or creating reverse logistics value and costs. Overall, this course balances traditional transportation and logistics economics theory with real-world reverse logistics demands. Topics that are discussed and analyzed include reverse logistics regulations, tariffs on moving goods across borders, the impact of interstate commercial policy on past and emerging reverse movement of goods and services policies, international trade barriers and benefits, reverse logistics impact on exchange rates, and how to view investment strategies that impact customer service in manufacturing and retail industries.

RLMT400 Recalls Best Practices and Issues (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in product recalls in manufacturing and retail. There appears to be no one standard set of practices or steps to follow for recalls. Each time a recall is voluntary or is issued by a company or the government, different procedures seem to be followed. This course will examine case studies of recalls from the food and beverage industry, consumer electronics, automotive, toys, and home appliances and furniture. The student will examine these cases to discover a set of procedures or steps that are common and those that are unique. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT401 Reverse Logistics Data and Security Resilience (3 hours)

This course provides students with a data-centric view to explore what is seen as today's best practices in capturing and securing reverse logistics data. Students will study why there is a need to manage excess inventory, why outsourcing this process may be profitable, how and why to access secondary markets for products, and how best to record and track the data for returns. The student will study methods of preventing products from entering the reverse logistics chain and one method of managing such a process. However, when the product does enter the reverse logistics process, the data capture at the entry point and along that chain become an expense if not properly managed and synchronized with data from the forward supply chain. The student will examine the role of 3PL in reverse logistics, the impact of distressed and fake merchandise, and how they contribute to the triple bottom line of the company. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics. This course is intended for students and professionals working in returns logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

RLMT402 International Reverse Logistics (3 hours)

This course is a case study approach to understanding how reverse logistics is implemented in the U.S., Europe, South America and Asia. Each geographic area will be explored following one type of product. The student will explore and discover the different cultural, economic , political and procedural barriers that are common, from internal and external company factors. Transaction cost economics will be used to define the different approaches used by these countries. Problems encountered in each country as reverse logistics applications are implemented will be discussed. Students will learn how reverse logistics concepts are viewed in different countries.

RLMT495 Senior Seminar in Reverse Logistics Management (3 hours)

This course allows students majoring in Reverse Logistics Management (RLM) to analyze specific issues of defining the various components of reverse logistics operations both domestically and internationally. This course will provide students with the opportunity to complete an approved academic research project that demonstrates knowledge of a selected applications area in reverse logistics management. The project, chosen on a specific topic, will be completed by each student in the course.

Undergraduate Course Descriptions

Science

BIOL133 General Biology I with Lab (4 hours)

This course provides a foundational basis for the study of basic biology. It is the first in a two-part biology series that is designed for students who intend to complete a degree that requires a major's level biology course. Topics in this course include an introduction to the molecular basis of life, biology of the cell, genetic and molecular biology, evolution and diversity of life on Earth. The laboratory portion of this course will include hands-on as well as virtual laboratories that complement the topics and concepts covered in the lecture component.

BIOL134 General Biology II with Lab (4 hours)

This course is the second in a two part biology series that is designed for students who intend to complete a degree that requires a majors--level biology course. Topics included in this course diversity of life on Earth, plant form and function, animal form and function, and ecology and behavior. The laboratory portion of this course will include hands--on as well as virtual laboratories that complement the topics and concepts covered in the lecture component. Prerequisite: BIOL133 General Biology I with lab.

BIOL240 Elements of Biological Chemistry (3 hours)

This course introduces students to the fundamental principles associated with the structure and function of the macromolecules that sustain living systems. The course will begin with a general introduction to organic chemistry including the molecules and functional groups that set this category of chemistry apart from the others. Topics will then move on to more specific molecules such as carbohydrates, lipids, proteins and nucleic acids along with the cellular processes involved in building and metabolizing these macromolecules. Additional details regarding biology at the cellular and molecular level will include topics such as nutrition, body fluids, pH and cellular respiration. Prerequisite: CHEM134 and BIOL134.

BIOL241 Cell Biology (3 hours)

This cell biology course will provide a detailed understanding of the fundamental processes of cellular functions. The course will include aspects of prokaryotic and eukaryotic cells as both often share similar mechanisms. In the first half of the course, the focus is on the macro--level with an exploration of basic cell characteristics, cellular membranes, cellular respiration and how cells interact with the environment. In the second half of the course, the focus is on genetics with a look at chromosomes, genes, gene expression, how cell accomplish DNA replication, repair errors that can result in DNA, how cells reproduce, how cells communicate, and finally we will explore the relationship between cancer and the immune system at the cellular level. Prerequisite: BIOL134, CHEM134

BIOL250 Human Anatomy and Physiology with Lab I (4 hours)

ONLY NURSING STUDENTS SHOULD ELECT THESE COURSES FOR THEIR SCIENCE GEN ED OPTION. This is the first of a two-course sequence in human anatomy & physiology. This intensive course is intended to prepare students for careers in the health sciences (sports medicine, physical therapy, EMS, nursing, physician assistant, etc.). Lessons and laboratory exercises focus on the organization of the human body, homeostasis, basic chemistry, cell biology, genetics and heredity, and the integumentary, musculoskeletal, and nervous systems. This course includes a hands-on laboratory component, and students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens through both BIOL250 and BIOL251. Refrigerated storage is not required. In addition, students must be able to document their laboratory work using still pictures and/or video. Enrollment in this course is limited to students in the Bachelor of Science in Sports & Health Sciences degree program or with the approval of the Science Program Director. This is a time and resource-intensive course, therefore students seeking approval to take the course must confirm their intent to pursue a career in the health sciences and verify this course will meet the needs of their intended program prior to enrollment. Students must complete SCIN131 or CHEM233 with a grade of C or better prior to enrolling in BIOL250.

BIOL251 Human Anatomy and Physiology with Lab II (4 hours)

This is the second of a two-course sequence in human anatomy & physiology. This intensive course is intended to prepare students for careers in the health sciences (sports medicine, physical therapy, EMS, nursing, physician assistant, etc.). Lessons and laboratory exercises focus on homeostasis, metabolism, acid-base balance, growth and development, and the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems. Students are also required to successfully complete a cumulative assessment of anatomy & physiology objectives from both BIOL250 and BIOL251. Students must complete BIOL250 with a grade of C or better prior to enrolling in BIOL251. This course includes a hands-on laboratory component, and students are required to perform dissection of preserved animal specimens. Some of the laboratory activities require the use of glass or sharp laboratory instruments; therefore students must have a safe work area available to perform laboratory activities. Students must also have room temperature storage available in order to maintain laboratory materials and specimens through both BIOL250 and BIOL251. Refrigerated storage is not required. In addition, students must be able to document their laboratory work using still pictures and/or video.

BIOL301 Molecular Biology (3 hours)

This molecular biology course will provide a detailed understanding of the structure, function, and regulation of DNA, RNA and proteins. The first half of the course will focus on the basic biochemical properties of DNA, RNA and proteins to establish and understanding of how these molecules function. The second half of the course will focus on transcription, translation, and regulation of these processes and finally the real-world application of molecular biology. Prerequisite: BIOL134, SCIN211

BIOL322 Developmental Biology (3 hours)

Developmental biology describes the transformation of a fertilized egg into a complex, multicellular organism. This course focuses on the genetic, cellular, and morphological pathways necessary for the embryonic and postnatal development of select invertebrates (roundworm, insects) and vertebrates (amphibians, fish, chicks, and mammals). The various experimental techniques used to study embryonic development will also be explored. Additional topics include metamorphosis, regeneration, aging, cancer, and the role of development in evolution. Online tools will be utilized to help illustrate dynamic concepts and enhance understanding. This course is an in--depth review of complex biological topics, and is designed for students concentrating in the natural sciences. Prerequisites: SCIN211, BIOL241

BIOL342 Evolutionary Biology with Lab (4 hours)

The goal of this course is to examine the fundamental concepts of evolutionary theory. This course will include a survey of historic and current scientific methods and data in the study of biological evolution. Topics include natural selection, genetic drift, adaptation, sexual selection, speciation, and coevolution. Applications of evolution to current global issues and problems will be demonstrated. Students will use discussions, assignments, readings, and projects to illustrate evolutionary concepts. Prerequisites: BIOL134, SCIN211

CHEM133 General Chemistry I with Lab (4 hours)

This is the first course of a two part general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. Topics are both descriptive and mathematical and include matter, measurement and problem solving, atomic theory and structure, the periodic table, nomenclature, physical properties of gases, liquids, and solids, molecular bonding and geometry, stoichiometry, thermochemistry, types of chemical reactions, and solution chemistry. The laboratory component of this course is designed for students in the sciences to learn how to make qualitative and quantitative observations about physical and chemical phenomena, to make calculations, and to test their own reasoning. Students will acquire skills in laboratory techniques designed to help reinforce and build upon the concepts presented in the lecture portion of the class. In order to be successful in this course, it is recommended that students will have completed high school chemistry or a basic college equivalent, and be comfortable with basic algebra, including manipulation of equations.

CHEM134 General Chemistry II with Lab (4 hours)

This is the second course of a two part general chemistry sequence that introduces students to the principles, terminology, methodology and worldview of chemistry. Topics are both descriptive and mathematical and include solution chemistry, chemical kinetics, chemical equilibrium, acids and bases, aqueous ionic equilibrium, free energy, thermodynamics, electrochemistry, radioactivity, and nuclear chemistry. The laboratory component of this course is designed for students in the sciences to learn

how to make qualitative and quantitative observations about physical and chemical phenomena, make calculations, generate their own data, and to test their own reasoning. Students will acquire skills in laboratory techniques designed to help reinforce and build upon the concepts presented in the lecture portion of the class. In order to be successful in this course, students must have successfully completed CHEM 133 General Chemistry I with Lab or equivalent. Prerequisite: CHEM133

ERSC204 Earth System History (3 hours)

Earth System History explores the amazing history of our planet. Many astonishing events of the geologic past, and the science behind how they came to be understood are examined. The Earth and its inhabitants have undergone continuous change during the last 4.56 billion years. These changes are investigated using an integrated approach that considers the inter--relationships between the solid Earth, atmosphere, hydrosphere, and biosphere. Thus, students learn how our planet became a place where life began and continued to flourish; how change has dominated Earth history; and how continuing changes to Earth's subsystems may challenge us in the future. Prerequisite: SCIN138

ERSC206 Weather and Climate (3 hours)

This course will provide an introduction to meteorology and climate for scientists. We will explore the basics of Earth system, atmospheric thermodynamics, atmospheric chemistry, cloud physics, atmospheric boundary layer and radiative transfer. The background from these topics will provide the foundations to discuss climate change and climate dynamics. We will examine current research on the areas of climate change research to learn about the current state of climate change. Prerequisites: SCIN234 or PHYS134, and MATH226

ERSC301 Hydrology (3 hours)

Physical principles governing occurrence and movement of water, including precipitation, evaporation and transpiration, runoff, infiltration, soil water movement, and stream channel morphology. Prerequisite: GEOG103.

ERSC302 Geomorphology (3 hours)

Description: Geomorphology is the study of the physical features of the Earth's crust. The study of geomorphology helps us understand not only about the earth as it is today, but also as it may have been in the past. Climate change and global warming are hot issues in current events these days, but how do scientists determine the climate is actually changing? Through observation of what we see today, and comparison to what we "see" in the past. This allows us to determine if the climate of the earth has always been like it is today or whether it's changed over time. With that knowledge we can predict how the climate might change (or not) in the future. If global warming and cooling has happened before, then it might happen again. One way to determine past climatic conditions is to study the landscape. What types of landforms are associated with different climatic conditions? The Midwest used to be the bottom of a vast shallow sea; the northern part of our continent was sculpted by glaciers that no longer exist. Understanding geomorphology, gives us insight to the landforms we see today that are the result of processes no longer at work on the landscape. Prerequisite: SCIN138

ERSC303 Conservation of Natural Resources (3 hours)

This course examines the ways in which modern economies use and conserve natural resources, and how the use of those resources impacts the environment. Resources are defined not just by their physical properties. They are, in part culturally defined. This necessitates investigating how cultures conceptualize resources, how economies value resources and what political and social institutions have been created to manage resource use. The extraction and use of resources has consequences for societies and their physical environment. This course explores these consequences through a survey of the major categories of resources and the issues associated with their extraction, use and conservation. It also examines the prospects for establishing more sustainable resource management.

ERSC305 Ocean and Atmospheric Dynamics (3 hours)

This course will explore the fluid mechanical principles guiding the atmosphere and ocean on a global scale. We will examine the inherit variables in the equations of motion, hydrostatic equations, and balanced flow principles. An examination of the atmospheric general circulation will be discussed including vertical and horizontal structure of temperature, pressure and density as well as a discussion on the dynamics of convection. Ocean dynamics will be discussed including the air--ocean interaction, thermohaline circulation and ocean heat budget and transport. Prerequisite: SCIN234 or PHYS134, and MATH226

ERSC401 Natural Hazards and Society (3 hours)

The purpose of this course is to introduce the student to the complex relationships between natural hazards and society. The course addresses geographic research methodologies, concepts of vulnerability, resilience and adaptation, as well as the role of social organization and risk communication. Case studies are used to relate concepts to students, and the course concludes with student assessments of the future of hazard adaption. Examples and case studies are taken from international and U.S. experiences, with a specific focus on how societies adjust to natural hazards. Prerequisites: GEOG103, ERSC206, and ERSC302

GEOG101 Introduction to Geography (3 hours)

This course is a basic overview of the Geographer's study of the location and distribution of features on the Earth's surface. These features are both natural and man-made, both physically and culturally determined. The relationship of people and place is central to an understanding of human history, contemporary events, and possible global futures. As an introductory course it covers the whole globe and all its greatest geographic features and relationships. This dictates that the approach is broad and not too deep. However, knowledge of the Geographer's art will enable students to delve as deeply as their interest and energy will allow, into the dynamic spatial realities that surround them.

GEOG103 Physical Geography (3 hours)

Physical Geography includes the study of processes of the atmosphere, hydrosphere, lithosphere and biosphere. Specific topics include maps and map reading, temperature cycles, storms formation, plate tectonic theory, structures of volcanoes, flooding, coastline formation, glaciations, ice ages, and the distribution of plants and animals on the planet. This course is an excellent choice for anyone with interest in environmental studies, natural hazards and the science behind earth processes.

GEOG200 Fundamentals of Geographic Information Systems I (3 hours)

The term "Geographic Information System" refers to the synthesis of information (data), software, and hardware for the express purpose of better understanding the world in which we live. Data are collected and managed within this system, and are ultimately used to question, analyze, and interpret patterns that occur throughout physical space. The interaction between different types of data reveal patterns and relationships that are not otherwise readily detectable. This course will provide students with the theoretical concepts necessary for advancement in the field of GIS, and further enhance their experience in a wide range of multidisciplinary endeavors.

GEOG201 Fundamentals of Geographic Information Systems II (3 hours)

This course builds upon principles covered in Fundamentals of GIS I and will provide students an emphasis of hands-on Geographic Information Systems (GIS) experience while solidifying the foundation of the concepts learned in Fundamentals of GIS I. The objectives of this course are to begin establishing a solid foundation in the operation of GIS systems and to teach organizational skills needed for successful GIS project management. Overall this course prepares the student for learning beginning and intermediate functional applications of GIS as well as spatial data analysis.

GEOG307 Modern Military Geography (3 hours)

Warfare is inherently spatial in nature. People strive for the control of places using military art and science. The geographer's study of the location and distribution of features on the Earth's surface is central to this endeavor. These features are both natural and man-made, both physically and culturally determined. The effects of geographic factors on the planning, preparation, and conduct of military operations are the focus of this course.

PHYS133 Elements of Physics I with Lab (4 hours)

This fundamental Physics course is the first of two courses that examine basic Physics using algebraic techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and thermodynamics. The course involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lectures. Prerequisite: MATH110

PHYS134 Elements of Physics II with Lab (4 hours)

This fundamental physics course is the second of two courses that examine basic physics using algebraic techniques. The course covers electric forces and fields, electric currents and circuits, magnetic forces and fields, electromagnetic induction, alternating current, electromagnetic waves, reflection and refraction of light, optical instruments, interference and diffraction, and an introduction to quantum and particle physics. Prerequisite: PHYS133

SCIN130 Introduction to Biology with Lab (4 hours)

This course introduces students to the biological systems within their associated environments. The course furnishes an understanding of biological principles and the properties of life. Topics covered in this course include the structure and function of plants and animals, cell biology principles, genetics, reproduction, development and growth, biological diversity, principles of evolution, and interactions among organisms and with their environment. Online laboratory experiences are incorporated, which are designed to correspond to, complement, and reinforce the concepts presented in the assigned reading material. The lab involves study through interactive simulations, videos, and animations, which will be provided to the student in the form of exercises provided throughout the semester.

SCIN131 Introduction to Chemistry with Lab (4 hours)

This course introduces students to the principles of basic chemistry, the terminology, methodology and worldview of chemistry, and the practical application to everyday living. Topics are both descriptive and mathematical and include acids and bases, atomic structure, chemical equations and reactions, chemical language and nomenclature, gases, molecular structure, solution chemistry, chemical mathematics, organic chemistry, and biochemistry. The chemistry lab is designed for students to learn how to make qualitative and quantitative observations about physical and chemical phenomena, to make calculations, and to test their own reasoning. Students will acquire skills in laboratory techniques and thought processes through interactive virtual laboratories designed to help reinforce and build upon the concepts presented in the lecture portion of the class.

SCIN132 Introduction to Human Anatomy & Physiology with Lab (4 hours)

This course introduces students to the fundamental principles associated with the structure and function of the human body. The course will begin with a general introduction to anatomy and physiology, an overview of organic chemistry, and a study of cellular and tissue structure and function and then move on to survey each of the following 11 organ systems of the human body: integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive. Online laboratory experiences and exercises are incorporated, which will provide the student with a deeper and practical understanding of the basic principles of human anatomy and physiology by using laboratory simulation software.

SCIN133 Introduction to Physics with Lab (4 hours)

This course offers an introduction to classical physics for non-scientists. Students will learn to apply Newtonian principles to the fundamental topics of motion, gravitation, momentum, work and energy, heat, wave behavior, sound and light, electricity and magnetism. Basic algebra is used to demonstrate how mathematics can describe and predict the real-world behavior of objects, from electrons to planets. Students will be expected to relate physics principles to their daily lives. The Physics lab teaches students how to take measurements and make observations about physical phenomena, make calculations, and test out their own reasoning. Topics covered in this lab course range from motion to magnetism. This course also involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lecture portion of the course.

SCIN134 Introduction to Astronomy with Lab (4 hours)

This course will introduce students to the wonders of the universe. Topics will include deciphering the motions of objects in the sky, learning how astronomers decode the light coming to us from distant objects, exploring the Earth and other bodies in our solar system, and investigating the properties and structure of stars, galaxies, and the universe itself. Students will be encouraged to develop conceptual understanding of these topics beyond memorization of facts. In the laboratory component, students will engage in astronomical inquiry using online tools to learn how astronomers work: by asking research questions, collecting data, and defending evidence-based conclusions. While the course is conceptual in nature, students should expect to use some mathematics. Completion of at least college algebra prior to taking this course is highly recommended.

SCIN135 Introduction to Forestry with Lab (4 hours)

This course will examine basic forestry definitions, historical factors in U.S. forest history, forest flora and fauna, forest management, the relationship between forest resources and human uses, and case studies. The Forestry lab provides students with hands-on application of forestry principles with or without having access to forest resources. The course will involve learning techniques for measuring forest resources; identification procedures for soils, trees and climate; and research techniques of

current forestry concerns, such as urban forestry and deforestation. If the student has access to forested areas, he or she will be able to conduct research in the field; however, if the student is located in a non-forested area, all necessary data will be available online.

SCIN136 Introduction to Oceanography with Lab (4 hours)

This course covers the principles of oceanography for students who are non-scientists. It introduces oceanographic terminology, research methodology, and the major concepts of physical, geological, chemical, and biological oceanographic systems. Students will become familiar with the scientific method and specific aspects of the ocean by focusing on problems involving, for example, icebergs, acoustics, pollution, fisheries, ship routing, and offshore minerals exploration. Laboratory exercises based on real-world data allow the student to apply oceanographic principles to real-world questions or problems, and to practice data visualization, data analysis, multimedia integration, technology literacy, and transferable technology skills.

SCIN137 Introduction to Meteorology with Lab (4 hours)

Introduction to Meteorology covers the fundamental principles governing the behavior of our atmosphere and the duties and methods of the professional meteorologist. Students will gain insight into the exciting discipline of meteorology, discussing topics such as cloud formation, movement in the atmosphere, thunderstorms, tornadoes, meteorological satellites, and climate change. The Meteorology laboratory will take the student deeper into the aspects of our weather through the study and exploration of our atmosphere via online interactive modules prepared by professional meteorologists. Topics to be discussed range from hurricane formation and the impacts of extreme weather to forecasting local weather and toxic pollution. The online laboratory modules increase the student's awareness of our planet through hands-on activities.

SCIN138 Introduction to Physical Geology with Lab (4 hours)

Geology encompasses the study of our planet, and students in this course will explore: how it formed, the nature of its interior, the materials of which it is composed, landforms, earthquakes and volcanoes, geologic resources, and geologic history. Current events that students learn about in the news, ranging from volcanic eruptions, earthquakes, landslides, and more will fit into a larger picture of how Earth works and why such things happen. The Geology lab provides students with a laboratory manual, 36 rock and mineral samples, a topographic map, and other tools to give students a hands-on opportunity to explore geologic concepts covered in the lecture portion of the course as well as virtual field trips related to the geologic sciences.

SCIN139 Introduction to Human Ecology with Lab (4 hours)

This course is an introduction to the terminology, methodology, and general topics of human ecology. It provides a survey of the linkages between human populations and the ecological and environmental niches in which we live. Course material will center on core human ecological elements of diet, disease, demography, and development. Specific topical material will include ecological concepts, demographics, population growth, fertility rates, food energy, health, and diseases. Investigations are framed within the framework of human-environment interactions. The Human Ecology lab provides students with hands-on application of basic human ecological research principles. The student will be guided in areas of qualitative and quantitative data collection, investigations into human-environment relationships regarding health and environment, and human-environment investigations through survey creation and assessment.

SCIN140 Introduction to Environmental Science with Lab (4 hours)

This course will give students the opportunity to learn and connect with the central issues of environmental science. This is a course primarily for the non-scientist. The basic concepts of ecology, geography, chemistry, economics, ethics, policy, and many other disciplines will be used to examine the overarching role that humans play in our planet's environmental problems and successes. The laboratory exercises will allow students to use hands-on, field, and/or Internet resources to collect and evaluate qualitative and quantitative data regarding the human-environment relationship. Lifestyle examination, ethical considerations, and critical analysis of individual contributions to local and global impacts in regards to environmental sustainability will be emphasized in the laboratory portion of this course.

SCIN202 Introduction to Microbiology (3 hours)

Introduction to Microbiology includes the study of the history of microbiology, as well as the fundamentals of microbe staining, culture, and growth. We will also focus on sterilization, disinfection and antimicrobial therapies that help to keep microbes in

check Finally, we will focus on microbial infections of the skin, eyes, and wounds as well as the urogenital, respiratory, oral gastrointestinal and nervous systems. (Prerequisite: SCIN130)

SCIN206 Marine Biology (3 hours)

This course covers key principles and topics in oceanography and marine biology. It is focused on applied problems; it will use problems involving the basic biology of organisms, taxonomy, marine ecosystems, pollution, fisheries, aquaculture and sustainable marine resources to investigate topics in marine biology. A working knowledge of the material in Introduction to Biology and Introduction to Oceanography will be assumed.

SCIN211 Principles of Genetics with Lab (4 hours)

This course is an introduction to the basic principles of human genetics and heredity. Students will investigate both classical Mendelian genetics and modern molecular genetics. Topics include the transmission of genes from one generation to the next, the molecular structure of genes, the regulation of gene expression, genes and cancer, genetic technology, genetically modified foods, gene therapy and population genetics. The course is designed for all students interested in human genetics, the application of genetic principles and genetic technology. (Prerequisite: SCIN130)

SCIN230 Hazardous Weather (3 hours)

Hazardous Weather takes an in-depth look at the many types of severe weather that impacts day to day life. Students will cover review the basics of meteorology and look at topics such as severe weather and tornadoes, hurricanes, winter weather, and fire weather. The course will focus on the “ingredients” that create these severe weather events as well as the tools necessary to diagnose current weather and forecasts. Students will finish this course with knowledge of data sources and interpretation of weather information.

SCIN233 Physics I with Lab (4 hours)

This fundamental Physics course is the first of two courses that examine basic Physics using Calculus techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and Thermodynamics. Calculus I should be taken prior to or concurrent with this course. The course involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lectures. (Prerequisite: MATH225)

SCIN234 Physics II with Lab (4 hours)

This fundamental physics course is the second of two courses that examine basic physics using Calculus techniques. The course covers Electric Forces and Fields, Electric Currents and Circuits, Magnetic Forces and Fields, Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Reflection and Refraction of Light, Optical Instruments, Interference and Diffraction, and an Introduction to Quantum and Particle Physics. Calculus I and Physics I should be taken prior to this course. Calculus II should be taken prior to or concurrent with this course (Prerequisites: SCIN233 and MATH226)

SCIN261 Introduction to Planetary Science with Lab (4 hours)

This course is a tour of the planets and moons of the solar system, and an introduction to their internal structures, atmospheres, and surface features. Processes that form planets and act continually to change them (e.g., earthquakes, volcanoes, giant impacts) are discussed, as are comets, asteroids, rings, and life. Information gained from spacecraft missions is highlighted. In the laboratory component, students will engage in planetary science inquiry using online interactive simulations and data gathered from space missions and ground-based observatories to help reinforce and build upon the concepts presented in the lecture portion of the course.

SCIN299 Natural Sciences Review (3 hours)

This course is designed to have students in the Natural Sciences Degree Program demonstrate their background and mastery of concepts from the four major areas of the natural sciences: physics, chemistry, biology, and earth & environmental sciences. Students will be asked to demonstrate a working knowledge of and ability to integrate the material and concepts from their 100--level and 200--level science courses. Prerequisite: Completion or concurrent enrollment in all of natural science course courses.

SCIN310 Vertebrate Zoology (3 hours)

The origin, diversity, and adaptations of the vertebrates. Phylogenetic systematics (cladistics) will be used as the basis for determining evolutionary relationships of organisms. Monophyletic groupings provide a framework for examining behavior, physiology, and ecology in an explicit evolutionary context. Vertebrates common to North America will be emphasized.

SCIN311 Fishery Biology (3 hours)

This course will present the principles and methods used in studying the biology of fishes, the ecological requirements of freshwater and anadromous fishes, and the principles and practices in sport fishery management. Students will participate in case studies and critically analyze existing fisheries management plans to ascertain their effectiveness and scientific validity. This course will also emphasize the value of collaboration in effective fisheries management.

SCIN314 Botany (3 hours)

An introduction to the structure, processes, and reproduction of higher plants with an emphasis on flowering plants. This course will use an integrative approach to examine the relationships between structure and function, diversity, and evolution. (Prerequisite: SCIN130)

SCIN316 Plant Identification, Taxonomy, and Systematics (3 hours)

An introduction to classification and evolution of vascular plants, with emphasis on flowering plants (angiosperms). This course will use structural terminology, characteristics of major plant families, and systematics. Student will use taxonomic keys, floras, and manuals for species identification. For students to be successful, Introduction to Botany is strongly recommended as a prerequisite to this course.

SCIN360 Advanced Human Anatomy and Physiology (3 hours)

This course is custom-designed for the student with little or no science background who wishes to go into or improve his or her understanding of the body as to sports or any of the allied health fields. The emphasis is on how the body is constructed and how it operates, with special applications to the maintenance and improvement of health and fitness. Therefore, it is not "overly detailed" as other courses that are taken by medical students; rather, it is a course that will help you understand your own body and why it acts and reacts the way it does to both internal and external stimuli. (Prerequisite: SCIN132)

SCIN400 Research Methods in Natural Sciences (3 hours)

Research Methods for Natural Sciences is a course that focuses on providing the student the essential elements of scientific research and issues associated with the scientific method, experimental and non--experimental research design, and statistical data analyses. Students will familiarize with the current methodologies, tools, and instruments of modern research, such as: sampling, test design, data collection reporting, and publishing. In addition, they will be given the opportunity to conduct research on a variety of scientific topics within the field of Natural Sciences. The principles and practices covered during this course are commonly used in the academic fields of natural, physical, and social science. Prerequisite: SCIN299

SCIN401 Mammalogy (3 hours)

The goal of this course is to introduce students to the biology of the class Mammalia. The course will include a survey of the origins, evolution, diversity, and adaptations of mammals to diverse environments. Topics include taxonomy, reproduction, sensory perception, herbivory, population cycles and behavior. Students will use case studies to apply the concepts of mammalogy to broader problems of species management, biodiversity, and the effects of development and habitat fragmentation on mammals.

SCIN402 Ornithology (3 hours)

Ornithology is the study of the anatomy, physiology, and behavior of birds. In this course, students will integrate ornithological study with the principles of bird conservation and management. Students will learn to identify birds by sight and call, and will learn the names of the major orders and families of birds throughout the world. Due to the scientific complexity of the material presented, it is recommended that students complete introductory biology prior to taking this course.

SCIN403 Plant Science (3 hours)

This course will provide an overview of plant growth and development as it applies to the disciplines of agriculture, forestry, and horticulture. Topics presented will include plant production for food, fiber and fuel, the influence of soils on crops and plant

propagation, biotechnology applications, pesticide use, impacts of insects and disease, the influence of genetically modified plants on agriculture, invasive species management, and the implementation of sustainable practices in agricultural and forestry operations. To be successful, Introduction to Botany is strongly recommended as a prerequisite to this course.

SCIN499 Senior Seminar in Natural Sciences (3 hours)

Instruction in analysis and presentation of original research. Each student will analyze and interpret data collected from a project executed as part of an upper--level course. Each student will prepare a public presentation of his/her research. This is considered the capstone course for students completing majors within the natural sciences. Prerequisite: 90 Semester Hours/Senior Standing

Undergraduate Course Descriptions

Security Management

SCMT101 Introduction to Security Management (3 hours)

This course is an introductory course to the Security Management field and is designed to familiarize students with the profession as well as to provide an overview of security measures used in the industry. Emphasis is placed on distinguishing the terminology used in the security industry. The student will be exposed to such topics as the privatization of public safety, use of technology and physical security, contract and proprietary security, executive protection, special event security, access control, integrated security systems, and the need for assessing vulnerabilities to increase the security posture of an organization.

SCMT301 Foundations of U.S. Government Security (3 hours)

This course offers the student an overview of many of the primary laws and policies, which drive the U.S. Government's security apparatus. There is a vast array of policy covering security topics, which are promulgated throughout numerous U.S. Government agencies. Topics will include the U.S. Constitution, Executive Orders, Presidential Decision Directives, and the National Industrial Program Security Operating Manual. The student will gain an appreciation for the complexities involved in securing U.S. Government sponsored facilities, personnel and information.

SCMT302 Protecting U.S. Government Facilities (3 hours)

This course offers the student an in-depth look into the construction and security management requirements of a wide range of United States Government sponsored facilities (domestic and overseas). This course includes coverage of a wide array of natural and man-made threats that must be considered in facility construction as well as special requirements for constructing facilities designed for the protection of classified information. Additionally, this course will cover facility security management procedures and build upon the student's existing knowledge of basic physical security principles. The student will gain an appreciation for the wide range of facility security applications across the federal government.

SCMT303 U. S. Government Personnel Security (3 hours)

Personnel Security (PERSEC) is the fundamental program in government security that provides a process for vetting and maintaining individuals' suitability, reliability, and trustworthiness. This course offers the student an in depth exploration of the steps to gaining access to United States National Security information, facilities and Information Systems; Basic requirements for access with emphasis on the National Industrial Security Program Manual (NISPOM) PERSEC process as well as processes utilized by the Intelligence Community for Access to Sensitive Compartmented Information (SCI) and the Special Access Program (SAP) communities will be covered.

SCMT319 Global Terrorism (3 hours)

This course examines various elements and aspects of International and Domestic Terrorism. Students explore the cultural and ideological philosophies, as well as the social, economic, political, and religious conditions of select states, groups, and individuals that comprise the phenomena of terrorism. By examining the historical and contemporary aspects of terrorism students develop a working knowledge of the current Global War on Terror and are better prepared to comprehend terrorist motives and ideologies. Topics include: History and Development, Types of Terrorism, Conventional and Unconventional terrorist tactics, the Media's impact on terrorism including the US Counterterrorism Policies. Particular attention is addressed to the Al-Qaeda terrorist network.

SCMT370 Principles and Theory of Security Issues (3 hours)

This course is an overview of the principles and issues in business and organizational security management. It reviews the classical management functions including the role of the Chief Security Officer and the principles of organizing the security function. It assesses the traditional management theories and concepts of planning, staffing, span of control as they are applied to the organization. Students examine the challenges embodied in various aspects of physical, personnel, and information security. Principles of loss prevention and the protection of assets are also considered. The history, legal foundations, functions, operations, processes, and tools of security management are explored to ensure the student has a broad understanding of security management and its current role in government and business operations.

SCMT371 Legal and Ethical Issues in Security Management (3 hours)

This course assesses legal and ethical issues that inevitably affect security managers. It examines dimensions of security management including pertinent points of civil and criminal law, personnel law and obligations, negotiations, contract management, constitutional rights of individuals, legal compliance, liability, ethical standards and dilemmas, and decision-making.

SCMT373 Evaluation of Security Programs (3 hours)

This course explores industry standards, practices and methods of determining the adequacy of security management programs. It reviews the interplay of management structures, functions and processes as well as proper procedures for conducting physical security analyses and evaluations. The course examines the principles of operating technology-centered programs for the protection of assets.

SCMT374 Contemporary Issues in Security Management (3 hours)

This course focuses on the contemporary issues of security management such as substance abuse, violence, ideologies, adjudication and reconsideration reviews, security countermeasures, case management, use of examinations such as polygraphs, report writing, international commercial sales, and media relations. It also addresses the security manager's role in personnel management, security planning, organizational communication, recruitment, retention, training and development, and management of contracts, as well as examines techniques and tools that help security managers understand bias, educate, and shift attitudes of employees towards more proactive security practices.

SCMT379 School and Campus Security (3 hours)

Over the last several years, the perception of safety has been challenged by a series of high profile critical incidents, litigation, legislation and the protection of the 2nd Amendment, right to bear arms. Officials at educational and all types of institutions must be prepared to manage every day security issues while planning for high impact scenarios such as terrorism and active shooter/mass casualty incidents. Students will explore risk management and emergency management protocols, the threat assessment process, crisis and recovery measures, and become aware of the Department of Homeland Security protocols for active shooters/mass casualty incidents. Students will be required to take the web-based FEMA Active Shooter training and upon successful completion will receive a FEMA certification. This course will benefit students in the educational, criminal justice, security management, emergency management and, homeland security fields of study.

SCMT390 Security Administration (3 hours)

This course focuses on principles and practices that security managers can put to immediate use. The bedrock requirements of effective organization, staff selection, and daily operating procedures are emphasized over abstract concepts. Topics include guard operations, plans, policies, and procedures, workplace violence, managing change, bomb threat management, security awareness training, physical security, securing information systems, investigations, and employee screening.

SCMT392 Industrial Espionage (3 hours)

Industrial espionage results in millions of dollars in lost revenue each year. This course provides a brief history of espionage and examines the World Wide Web as an enabler of espionage, the role of governments in industrial espionage, the rise of the competitive intelligence professional, tensions between openness and security, and the Economic Espionage Act of 1996.

SCMT396 Protective Services (3 hours)

Executive protection is a growth industry. This course provides a thorough overview of the subject. Topics covered include basic principles, threat assessment, risk analysis, training opportunities, finding employment, organization and management of a protective services detail, working the principal, home and office security, technological considerations, vehicle security, conducting an advance, domestic and international travel, firearms selection and training, and self-defense fundamentals.

SCMT397 Physical Security (3 hours)

Effective physical security is based on an accurate threat assessment followed by the implementation of an overlapping system of physical and electronic safeguards designed for the specific needs of the client. Topics covered include threat assessment, the security survey, architectural design for security, physical and electronic security methodologies, security lighting, perimeter

protection and the guard force, clear zones, wall materials, signage, and the importance of effective and continuous local, state, and federal governmental liaison.

SCMT491 Independent Study: Security Management (3 hours)

An opportunity for Security Management students to pursue an independent research project or examine a specific area of Security Management under the mentorship of a single professor. Participation is at the discretion of the faculty member. This course will require a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SCMT498 Senior Seminar in Security Management (3 hours)

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Security Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Social Science

ANTH100 Introduction to Anthropology (3 hours)

This course introduces students to human nature and behavior from the broad, holistic perspective of contemporary U.S. American anthropology. The four primary sub-fields of anthropology, biological, cultural, linguistics, and archeology, will be discussed in order to integrate various aspects of the human condition.

ANTH200 World Archaeology (3 hours)

This course is a worldwide survey of prehistoric cultural adaptations from the first use of bone and stone tools to the ancient mysterious civilizations of Asia, Africa, the Americas, and Europe, including recent archaeological discoveries. Emphasis is on the development of technologies, social groups, and the patterns of cultural development. Archaeological excavation methods and archaeological artifacts are discussed in considerable detail. In the second half of this course the student will engage in a "virtual dig" of a Middle Paleolithic site in France, using a workbook and a CD-Rom.

ANTH201 Introduction to Physical Anthropology (3 hours)

This course is an introduction to the human species as revealed by living fossil primates, ancient forms of humanity, and the interaction of biological and cultural evolution. It examines the origin and evolution of the human species, primates, modern human variation, prehistoric societies, and linguistic classification.

ANTH202 Introduction to Cultural Anthropology (3 hours)

This course is designed to acquaint the novice anthropology student with anthropology and its various sub-fields, examining cross-cultural, global, comparative, and critical perspectives on human behavior and culture, as well as the diversity of human cultures from hunter-gatherers to industrialized city dwellers. The implications of socio-cultural analysis of economic, social, symbolic, and religious systems are also considered.

ANTH203 Introduction to Forensic Anthropology (3 hours)

Forensic anthropology is the application of physical anthropology in a medico-legal context; forensic anthropologists use the tools of archaeology and physical anthropology to discover, recover and identify human remains. Students will be exposed to the interdisciplinary, scientific basis of forensic anthropology, along with legal and ethical issues forensic anthropologists face. The course is designed to give students a broad overview of the field by introducing them to the process of human remains identification; the archaeological and laboratory methods incorporated in human remains recovery; and, a review of the work forensic anthropologists work do with law enforcement, forensic pathologists and odontologists in recovering and collecting victims of foul play as well as those of mass fatalities, such as the 9/11 terrorist attack on the World Trade Center.

SOCI490 Independent Study: Social Science (3 hours)

An opportunity for Social Science students to pursue an independent research project or examine a specific area of Social Science under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. The course will typically involve six or more professor contacts and produce a major research paper (30+ pages); there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper at week 10, both of which will count toward the final grade. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her student advisor. Once the course is open the student must complete an official online registration for the course.

Undergraduate Course Descriptions

Sociology

SOCI 111 Introduction to Sociology (3 hours)

Introduction to Sociology introduces students to the sociological investigation of human interaction and behavior in society. Students will become familiar with the sociological perspective and develop a 'sociological imagination' – the ability to see the general in the particular, the new in the familiar, and to observe the impact social forces have on our lives. The course explores environmental, historical, cultural, and organizational influences on our interpersonal relationships and life-patterns within the context of contemporary society. Students will learn how to use sociological concepts, theory and research to think critically about individuals, groups, institutions, and societies in any given situation.

SOCI 212 Social Problems (3 hours)

This course examines a diverse sample of social problems facing the United States today and identifies how these problems affect and are affected by our institutions and culture. The sociological perspective and key theories will be used to understand the beginnings of the civil society, how problems develop and are defined, and the role of social change (particularly contemporary technological innovation). Key social problems covered will include social stratification/inequality, crime, drug abuse, prostitution, aging, infectious disease, family violence, health care, racial/ethnic conflict, terrorism, etc. Sociological research on social problems will be explored, and social policies to remedy the negative consequences of these issues on society will be discussed.

SOCI 213 Society, Interaction, and the Individual (3 hours)

This course surveys sociological theories and research on the relationship between the individual and society. It is a sociological approach to social psychology, emphasizing symbolic interactionism and social constructionism. Students will learn how individuals participate in the construction of society through interaction and the impact of cultures and social structure on our everyday lives including individual behavior in group processes. Core topics covered will include the Social Construction of Reality, Ethnography and other key methods in Symbolic Interactionism; the Self in Context; the Sociology of Emotions; Interaction and inequality.

SOCI 215 Social Deviance (3 hours)

This course is a critical examination of the relationship between deviance and social control. It will include how and why certain forms of behavior come to be known as deviant, it will analyze the nature of formal and informal responses to deviance, and explain the interaction of different social control institutions. Special attention will be given to an overview of general theories of deviance, and the particular forms it takes.

SOCI 220 American Popular Culture (3 hours)

This course is a contemporary study of popular culture in America – its development and characteristics, its role in shaping our individual lives and key social institutions; and its broad effects on our globalizing world. The course is designed around the interdisciplinary nature of cultural studies, and students will learn how to use key concepts and theories to examine popular culture from a number of different fields including Sociology, Anthropology, Communications, History, Cultural Studies, English, Women's Studies, Ethnic Studies, and American Studies. Students will develop the skills to analyze the reciprocal relationship between culture and key stratification factors such as gender, race, ethnicity, class, age, region and sexuality. The course will cover many facets of popular culture from all forms of media, to sports, fashion, and the influence of technology. Students will learn to situate popular culture within its social, historical, political, and economic contexts and their personal lives.

SOCI 303 Classical Sociological Theory (3 hours)

This course examines the transition from social philosophy to sociology with special emphasis on the European theorists in the nineteenth and early twentieth centuries. (Prerequisites: ENGL101 and SOCI111)

SOCI 305 Contemporary Sociological Theory (3 hours)

This course offers a general survey of recent developments in social theory since the 1960's. It covers a variety of theories that have been or are influential in the social sciences. Focus will be directed towards both those social theories that have sought to

understand modernity as a social epoch and those that claim we have entered a new postmodern era. Differences between European and American approaches will be considered as the substance of the course is developed. (Prerequisite: SOCI111)

SOCI 306 Race and Ethnicity (3 hours)

This course is a critical analysis of the structure of racism, stratification, hate violence, youth violence, poverty and human rights, stereotyping and ethnocentrism in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention. (Prerequisite: ENGL101)

SOCI 311 Political Sociology (3 hours)

Political Sociology examines the broad social bases of politics and identifies how politics and actions by government can influence the fate of nations and their citizens. These influences include, but are not limited to, power and authority, economic policy, equality, forms of political rule, access to the political process, and the roles of political parties. (Prerequisite: SOCI111)

SOCI 315 Food and Culture (3 hours)

This course is a theoretical and empirical exploration of human food choices from an ecological, political and sociological perspective. Students will examine food taboos and cravings, with their social, ideological and biological sources. The course is designed to discuss the socio-cultural dimensions of food production, preparation and consumption to include dimensions of individual, family, community and societal structures, as well as ideological, religious and cultural identities embodied in gender, race, ethnicity and socioeconomic status. Choices of pets, insects and people as food choices are considered in their socio-cultural contexts. Social issues include the 21st century locavore and organic movements, community food production, malnutrition and hunger. (Prerequisite: ENGL101)

SOCI 321 Environmental Sociology (3 hours)

Environmental problems are usually described in terms of the natural and life sciences; however, they are ultimately social problems, caused by social practices that reflect entrenched social values. This course will examine historical and contemporary sociological perspectives that have informed human's relationship with nature; the role of social/political/economic organization in the evolution and definition of environmental problems; and how social stratification is related to the environment. Course materials will include a survey of current research and methods in the subfield such as social movement research and network analysis. This course replaces SOCI320. (Prerequisite: SOCI111)

SOCI 331 Research Methods for Sociology (3 hours)

This course introduces students to the purpose and techniques in social research: problem definition, research design, sampling and data collection methods including observation, interviewing, questionnaire construction and the use of documents and other unobtrusive data sources. The basic goal of all social research is to gather evidence in order to answer questions about the nature of relationships between individuals, groups, institutions, and societies. This course is designed to give the student a broad overview of the logic of social research, of the process of research design, and of the major types of data collection techniques and methods of data analysis.

SOCI 332 Statistics for Social Science (3 hours)

This course is designed to provide a basic survey of the application, empirical use and interpretation of a variety of statistics methods used in the social sciences. A key objective of the course is the instruction in best statistical practice through the use, exploration and analysis of empirical data. Emphasis will be placed on understanding and interpreting the meaning of statistics. The practical aspects of statistics are emphasized and students are instructed in the use of the standard statistical package for the social sciences (SPSS) which is widely used in the social sciences and the in labor force. NOTE: Students must have access to required software: SPSS (Statistics Package for the Social Sciences); see Course Materials for current version requirement. APUS does not supply this software

SOCI 403 Social Change (3 hours)

Beginning with industrialization, a structural and cultural approach will be used to study processes of human interaction resulting in social change. The concept of what 'change' is and how it happens will be clarified with a focus on the various factors and theories that explain it. Key topics will include industrialization, institutional change, social movements, modernization, world systems, economic development, globalization, and information society. (Prerequisite: SOCI111)

SOCI 404 Gender and Society (3 hours)

This course is a critical analysis of the structure of sexism, stratification, poverty and human rights in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention. The course is designed to discuss the way culture shapes and defines the positions and roles of both men and women in society. It will cover the historical development of gender roles and stereotypes, how gender roles are socially constructed, and the social conditions which may lead to the broadening or reduction of gender roles and stereotypes.

(Prerequisite: ENGL101)

SOCI 420 Sociology of Religion (3 hours)

This course will guide students through a critical and sociological exploration of religion. It will provide them with an opportunity to think about religious experience and religious organizations as a part of a larger social order. It will introduce basic concepts in the sociology of religion. This process involves analyzing the interrelationship of culture, society, and religion; religion and social stratification; religious, economic, and political institutions; social change and religion. There will be a general emphasis on American society and institutions, with global and historical contexts integrated throughout the course. The course is designed with a focus on reading, discussion, field observation and critical writing. (Prerequisite: SOCI111)

SOCI 421 Sociology of the Family (3 hours)

This course is a sociological analysis of the modern family and marriage, its structures and functions, variant patterns, and the influence of contemporary society on this institution. Course topics include dating, marital roles, divorce, child raising, and alternative lifestyles. (Prerequisite: ENGL101)

SOCI 422 Sociology of the Law (3 hours)

This course is a study of law, law-making, law-enforcement, and legal systems in social life. Course content focuses on the American legal system from a sociological perspective--its origins, development, and current format, and examines the sources of the legal tradition, the function of legislation in society, and current trends in the social construction of norms. The course investigates the human need for social order and conflict resolution, and how that takes shape in the social world. (Prerequisite: SOCI111)

SOCI 423 Sociology of Health and Illness (3 hours)

This course examines the social contexts of health, illness and organized medical care. It focuses on the theories, research and debates of medical sociology. Topics covered will include the social, environmental and occupational factors in health and illness; the meaning of health and illness from the patient's perspective; the historical transformation of the health professions and the health work force; the social and cultural factors surrounding the creation and labeling of diseases; disparities in health, access to healthcare, and the quality of healthcare received; organizational and ethical issues in medicine including rising costs and medical technology; and health care reform. (Prerequisite: SOCI111)

SOCI 491 Sociology Independent Study (3 hours)

An opportunity for Sociology students to pursue an independent research project or examine a specific area of Sociology under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SOCI 498 Senior Seminar in Sociology (3 hours)

The focus of this course is to review the major issues within the field of sociology and their relationship to current events. Theoretical and applied perspectives will be discussed, culminating in the students' completion of a major sociological research paper/project that synthesizes the body of acquired knowledge. This is a capstone course to be taken after all other Sociology courses have been satisfactorily completed. Student must have SENIOR standing to register. (Prerequisites: SOCI111 and all Core and Major courses)

Undergraduate Course Descriptions

Space Studies

SPST300 Introduction to Space Studies (3 hours)

REQUIRED FIRST COURSE before taking any 300 or 400 series core or major course in the BS in Aerospace. Space studies, by its very nature, is an interdisciplinary subject. These various disciplines will be surveyed in this course, at a level appropriate for the non-specialist, including the space environment, policy, astrodynamics, systems design, technologies, business and management, law, applications, physical and life sciences, and space and society. This course provides a foundation for more in-depth study of these areas. (Prerequisite: MATH111 or MATH225)

SPST301 Introduction to Space Flight (3 hours)

Students in this course assess the major aspects of space flight. The course covers space flight from early rocketry through the development of satellite navigation, meteorology, and telecommunications, up to human space flight. Course topics also include: rocket propulsion, basic orbital mechanics, the space environment, living and working in space, and an overview of non-U.S. space programs. (Prerequisite: SPST300).

SPST302 Comets, Asteroids, and Meteorites (3 hours)

Asteroids, meteorites and comets, the leftover material from the formation of our solar system, are all key to understanding its origin. The composition, history and interrelationships of these objects will be covered, as well as their influence on the Earth and other bodies, and what they tell us about the early solar system. (Prerequisite: SPST300).

SPST303 History of Space (3 hours)

This course is a history of human activity in space and includes rocketry, space associations, voluntary organizations, human flight, unmanned flight, satellites, science-fiction, and ballistic missiles. (Prerequisite: SPST300).

SPST304 National Space Organization (3 hours)

This course addresses the United States organization for space operations, to include exploration, satellite operations, military purposes, and research and development. Included in the organization will be the linkages between governmental and non-governmental enterprises in or dealing with space. The course will also briefly address comparative organizations for space as witnessed in other industrialized nations. (Prerequisite: SPST300).

SPST305 Introduction to Orbital Mechanics (3 hours)

Students taking this course compute and calculate satellite orbits, planetary orbits, solar system orbits, and other essential space orbits. Designed for the non-scientist student, this course provides a fundamental understanding of how orbital mechanics works in space. (Prerequisites: MATH111 and SPST300).

SPST306 Human Space Flight (3 hours)

This course evaluates the physical and psychological effects of spaceflight on humans, countermeasures for both short- and long-duration spaceflight, and discussions of human factors in spacecraft engineering. (Prerequisite: SPST300).

SPST307 Space Policy (3 hours)

This course assesses the various aspects of policy surrounding space activities and investigates how space policy evolves from historical contexts through policy outcomes, including law, commerce, the environment, international cooperation, and national security. (Prerequisite: SPST300).

SPST415 Space Station Systems and Operations (3 hours)

This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST300).

SPST425 Satellite and Spacecraft Systems (3 hours)

Orbital satellites and spacecraft are discussed according to their application, design and environment. The power system, shielding

and communication systems are reviewed along with their missions, space environment and limitations. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST300).

SPST435 Planetary and Space Exploration (3 hours)

This course is a summary of U.S. and international space programs. The student will assess the Earth and its space environment, to include methods of scientific exploration and spacecraft and payload criteria at the basic physics level. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST300).

SPST445 Space Transportation Systems (3 hours)

This course evaluates Space Transportation Systems (STS) including manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. Included are manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. A review of Space Shuttle flight profiles, guidance and navigation control, proximity operations and rendezvous and a brief review of hypersonic orbiter aerodynamics are included. Also covered are future STS applications to space station logistical operations, commercial applications and Department of Defense operations. (Prerequisite: SPST300).

SPST455 Space Weapons and Missile Defense (3 hours)

Weaponizing space and deploying a missile defense shield are two subjects that have inspired a great deal of controversy in the realm of military space and national defense. This course will discuss the historical development and deployment of anti-satellite and missile defense systems through the recent Ballistic Missile Defense system and exploration of Space Control technologies. Also covered will be the politics and policy that have governed these systems including the role of the United Nations and the international debate of fielding such systems. (Prerequisite: SPST300).

SPST465 Space Weather (3 hours)

The relatively new science of space weather has significant influence on both the space program, and our increasingly technology-dependent society. Space weather is largely the result of solar activity, including sunspots, solar wind and solar flares and their interaction with the Earth's magnetic field. This course will discuss this Sun-Earth connection, its implications for both Earth-bound and space activities, and the current state of space weather study and prediction. (Prerequisite: SPST300).

SPST475 History of Astronomy (3 hours)

This course reviews the historical significance and discoveries made by astronomers ranging from the early Greeks and Mayans through the discoveries of recent times using modern techniques and tools such as the Hubble Space Telescope. As both a history class and a science class, this course bridges the two by examining the interconnection of the events and people involved in astronomy through the ages as well as analyzing the observations that have formed the core of humanity's effort to understand and describe what we see around us. The majority of the course materials are primary sources, as students will read many of the original papers that have brought us to our current understanding of the universe. A major component of this course is learning to interpret history for different audiences in a wide variety of writing assignments.

SPST490 Independent Study - Aerospace (3 hours)

An opportunity for Aerospace students to pursue an independent research project or examine a specific area of Aerospace under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. The course will typically involve six or more professor contacts and produce a major research paper (30+ pages); there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper at week 10, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact his/her academic advisor. Once the course is open the student must complete an official online registration for the course.

SPST499 Senior Seminar in Space Studies (3 hours)

Analyses of specific issues will be conducted that will include a review of national space organizations, objectives in past, current, and future aerospace exploration/exploitation, Space Law, government/military and commercial space industrial programs, and examine future trends in space operations. Students will review and analyze the problem solving process with consideration for the economic, social benefit, and security implications of these decisions on national and global scales. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. This is a capstone course to be taken after all other Space Studies courses have been satisfactorily completed. Students must have SENIOR standing to enroll.

Undergraduate Course Descriptions

Sports and Health

SPHE290 Foundations of Sports and Health Sciences (3 hours)

This course introduces students to the fundamental concepts of Sports and Health Sciences including basic principals in exercise science, health, wellness, fitness and coaching studies. The student will focus on clarification of the wellness continuum including physical, emotional, intellectual, spiritual, interpersonal, and environmental wellness while implementing the methods of the health related components of physical wellness – cardio respiratory endurance, muscular strength, muscular endurance, flexibility, and body composition to promote lifelong physical fitness, disease prevention, and health and wellness.

SPHE295 Foundations of Nutrition (3 hours)

This course introduces students to the scientific principles of nutrition pertinent to the function of nutrients in the body and the physiological processes involved in digestion and absorption. Students will attain knowledge of the nutrients that make up the food we eat; the anatomy and physiology of digestion and absorption; the function of the each macro and micro nutrient within the body; the interplay between foods, food substances and disease processes like heart disease, cancer, and obesity; the role of nutrition throughout the life cycle; and, our global food problems.

SPHE314 Exercise Physiology (3 hours)

This course is designed to provide students with the knowledge of the inner workings and physiological changes that occur in the body during exercise, after exercise, and during a training period. Topics include efficiency, needs and limitations of body systems and their interrelationships, gender roles in exercise, and developing a personalized exercise routine to meet your needs.

SPHE315 Training and Conditioning (3 hours)

This course concentrates on the science, planning, management, and analysis of training and conditioning as it relates to the human body. Through a series of assignments and case studies, you will learn the theory of muscle growth and how muscle growth applies to your body. The course will answer many questions including how can you build an impressive, muscular physique using free weights? How, for example, can you customize your workouts according to your body type? And how should diet, including food supplements, factor into your fitness goals? (Prerequisite: SCIN360).

SPHE316 Sports and Recreation Facility Management (3 hours)

This course prepares students with an interest in pursuing a career in the fast growing industry of sports facility or event management. During the course, students will acquire professional skills that can be applied in a wide variety of career positions. A range of topics include facility financing, alcohol management, crowd management and box office management. Upon completion students will have basic fundamentals to comprehend the field of facility and event management.

SPHE317 Sports Medicine (3 hours)

This course in sports medicine explores the causes and prevention of common sports injuries. You will learn the prognosis and treatment of injuries by examining the anatomy of the injured area of the body through diagrams and interactive websites. Each section of the course covers a certain category of injuries; you will learn what sport or particular athlete is more at risk. Each student will be required to submit a course paper on a specific injury that includes case studies from appropriate references. It is recommended that students complete SPHE 421 Kinesiology before enrolling in this course. (Prerequisite: BIOL251)

SPHE318 Coaching Theory and Methodology (3 hours)

Students in this course will review Coaching Theory and Methodology within the coaching profession. They will examine theories specific sports teams, including the development of methodologies and the development of a team, principles for coaches to follow and pass on to teams, and the end of competitive careers in organized sports. Guiding questions include: What sport has done for the player and coach? Why is theory and methodology in sport important? How does leadership and strategy play a role? Students will develop a coaching philosophy that will drive their coaching theories and methods. Students will discover that teaching life lessons through sport is vital to the success of their athletes.

SPHE319 Sports and Drugs (3 hours)

This course is a broad investigation into the types and categories of pharmacological and nutritional performance enhancing substances used by athletes throughout history to present date. Students will use analytical techniques to identify, compare, and categorize the five major groups of performance enhancing drugs and nutritional supplements. They will discover the origins, physiological effects, prevalence, and usage trends of drug families, and from the information, the student will be able to formulate an understanding as to why certain drugs are used for specific sports, despite illegal consequences. Students will be able to list, define, explain, and fully understand therapeutic drugs, naturally produced hormones, nutritional supplements, cardiovascular enhancements, and stimulants, through individual and collaborative research, discussion, and presentation opportunities. Engaging debate and exploratory discussion options will provide students the chance to critique, appraise, and ultimately formulate individual conclusions surrounding the moral, ethical and social aspects of drug use in sport. Furthermore, students will have the opportunity to examine the legal aspects of drugs in sports, the administrative and political drug control processes, and how organizations have evolved over time, through increased awareness of the need to control or eliminate the use of drugs in sports performance. Students will investigate and explore the numerous current event issues, as well as the athletes, and professionals associated and implicated in the illegal use of drugs in athletic performance.

SPHE320 Nutrition (3 hours)

What should you eat? When should you eat it? Why? Nutrition plays an integral part of our daily life. A healthy diet can protect us from a number of diseases including heart disease and cancer. Nutrition also plays an integral part of the athlete's success; often making a difference between success and failure. Improper use of diet and/or ergogenic aids can result in poor performance. Students in this course will explore basic nutrition concepts, gaining an appreciation of the contribution of macro and micronutrients to a healthy diet and gaining an understanding of the importance of these nutrients as performance enhancers. They will identify a number of strategies for making healthy food selections, for integrating these selections into their lives, and for successfully maintaining a healthy diet. These concepts will be reinforced through the analysis of their own diets and the development of several new diets. The impact of excessive or deficient caloric intake on health and body composition will be determined. Finally, dietary supplements and performance enhancers are used by many people. Improper use of these can be detrimental to one's health as well as adversely impact athletic performance. Strategies for identifying and for using good and bad supplements/enhancers will be developed. (Prerequisite: SPHE295).

SPHE323 Sports Conditioning (3 hours)

This course will provide the student with the skills necessary to develop an annual training program for athletes of all levels. Emphasis will be placed on the principles of periodization and how to determine the appropriate training program for each sport. The topics of plyometrics, speed, agility, strength and power will be demonstrated in videos and through other course materials. Students will be required to complete a 52 week training plan for an athlete based on the principles of periodization. (Prerequisite: SCIN360).

SPHE324 Biomechanics (3 hours)

Students in this course will use qualitative and quantitative analysis to understand the biomechanics of human movement. This course will focus on biomechanics in sports and how biomechanical evaluation can improve performance and prevent injuries. Through the use of videos and personal observations, students will learn to apply mathematical equations to various sports skills to develop an understanding of how the laws of physics affect performance. Linear and angular kinematics and kinetics will be applied to sport skills. Students will complete a course project which will require the student to observe a sport skill, qualitatively analyze the athlete performing the skill and make recommendations for improvement. It is highly recommended that students complete College Algebra and Physics before taking this course. (Prerequisite: SCIN360).

SPHE325 Gender Issues in Sports (3 hours)

Students in this course will examine how gender and sexuality are impacted within sport and sports organizations. The relationship between sexuality, masculinity, femininity and sport has been a slow evolving process throughout history. This course is broken down into three main topics: masculinity in sport, media representation in sport, and transgressing femininities in sport. The visibility of professional athletes in the media has opened doors of opportunity for both male and female athletes. Students will discuss the equality of sports coverage based on gender along with career opportunity in sports organizations. The ratio of male to female athletic administrators is severely lopsided even in this modern era. This course will examine why and

what the future holds for gender issues in sport.

SPHE326 Ethics in Sports (3 hours)

Students will examine morality and ethical issues pertaining to sport. During this course, students will become involved with discussions on sportsmanship, fan behavior, performance-enhancing drugs, gender equity in sport, deviant behavior in athletics, and issues related to youth sports participation. Students will be required to examine their current rules, morals, and philosophies to their career aspirations and reflect on them in an ethical as well situational manner. Students will be immersed in ethical situations through the use of videos and relevant current event articles.

SPHE350 Coaching Baseball Technical and Tactical Skills (3 hours)

This course will help you learn how to teach the skills and strategies and techniques and tactics of baseball. You'll learn about approaches to coaching, including the games approach (an alternative to drills-based coaching), you'll develop a season plan and a series of practice plans; and you'll improve your ability to coach during games. This course is suitable for high school coaches and for serious club coaches, and college coaches.

SPHE351 Coaching Basketball Technical and Tactical Skills (3 hours)

This course will help you learn how to teach the skills and strategies, and techniques and tactics of basketball. You'll learn about approaches to coaching, including the games approach (an alternative to drills-based coaching), you'll develop a season plan and a series of practice plans; and you'll improve your ability to coach during games. This course is suitable for high school coaches and for serious club coaches, college coaches, and advanced coaches at the youth level.

SPHE352 Coaching Football Technical and Tactical Skills (3 hours)

Students in this course will explore the techniques and tactical skills within the sport of American Football. Basic offensive, defensive, and special team skills are taught while exploring various teaching strategies for effective implementation. Football is a game that goes well beyond the obvious physical struggle on the field of play. Below the surface is a complex game which calls for strategic learning and specific methods of movement in accordance to the basic laws of physics. Coaching football calls for an understanding of these concepts in addition to strong organizational and instructional abilities. This course is designed for coaches at all levels. For coaches just beginning in the profession or looking to begin in the future, this course will discuss a number of basic areas that are essential to being successful such as coaching philosophy, practice planning, and game preparation. For those individuals that have been coaching for some time, this course will give you a chance to re-evaluate your philosophy, technique, style, and communication ability. In summary, the approach is toward teaching the student the theory, principles, concepts, and practices that can be applied in the dynamic, ever changing, challenging, and rewarding field of coaching football.

SPHE379 Contemporary and Social Issues in Sport (3 hours)

Students in this course will use analytical techniques to examine the scope and effect of sport on society. They will explore sociological concepts on how sports and sport participation impact the lives of individuals and groups in a society. Students will explore several significant contemporary issues. These contemporary sport sociology issues will include drug abuse, race, ethnicity, gender inequity, ethics, gambling, and violence. To increase their sociological understanding of sport, students will identify and discuss sociological perspectives about the components of sport and physical activity.

SPHE383 Disabilities in Sport (3 hours)

This course offers a comprehensive and practical look at the past, present and future of disability sport. Topics covered are inclusive of youth through adult participation with in-depth coverage of the essential issues involving athletes with disabilities. Modern challenges and controversies dealing disabilities in sport will be examined along with sport opportunities for athletes with disabilities, coaching and training of athletes with disabilities, sports medicine issues, activity modifications, equipment uses, and event management for both adults and children with disability.

SPHE400 Sports Management Foundations (3 hours)

Sports management is evolving at a rapid pace. This course provides an overview of the sports industry and teaches the basics of sport management to future sport managers. Students will explore the sports industry in different segments that will help guide them to what area of expertise they might choose as a career path. Topics will include ethics, finances, high school and youth

sports, marketing and legal issues. This course also examines specific industries involving management such as the fitness industry, facility management, sporting goods, and event management.

SPHE405 Sports First Aid (3 hours)

Sports First Aid is the recognition and emergency treatment of sports injuries sustained during the participation in a sporting event. Students in this course will learn basic first aid principles in order to provide emergency care to injured athletes. Students will develop a basic knowledge of common sports injuries to be able to administer appropriate sports first aid. This course will introduce the role of the coach as well as other medical professionals that provide first aid to athletes. Focus will be placed on techniques and concepts used to treat these sports injuries. Students taking this course will become a competent first aid responder for basic athletic injuries. (Prerequisite: BIOL251)

SPHE412 Sports Finance (3 hours)

Sports Finance will provide students with a vast overview of the financial and contemporary economic issues related to sports, athletes and the sport industry. The course will examine the market power in sports, impact of teams and facilities on neighborhood economics, issues relating to a professional sports lockout as well as the relationship among academics, athletics, and the economy. Contemporary topics will include sports franchises, agents, contracts, sports industry financing, and financial and legal issues

SPHE413 Sports Marketing (3 hours)

This course focuses on the promotions, public relations, and advertising and other marketing functions involved in the multi-billion dollar sports industry. The course provides research, case analysis, and other opportunities to learn of the effective principles, theories, practices, and methods involved with all aspects of sports communications.

SPHE416 Athletic Programs Administration (3 hours)

Athletic programs administration focuses on the coach, and their administrative responsibilities of their profession. Coaching goes beyond knowledge of the game, strategies to win or practice design. Coaches and administrators, much like managers in the business world, are decision makers and resource allocators. They make sure player to player and coach relations are operating smoothly. Their duties also include fundraising, facility management, scheduling and maintaining budgets much like any business manager. This course examines the key concepts and skills to becoming an effective sports manager that includes program promotion, leadership, personal organization, public relations and risk management.

SPHE417 Leadership Concepts in Coaching (3 hours)

This course will introduce Coaching Leadership on a sports level but show how that leadership can relate to personal, business and everyday successes for individuals. Creating success in the sports arena, a leader has to communicate, to bring a set of individuals together to accomplish one common goal. To be a good leader and coach, one must motivate teamwork and reveal the powerful characteristics of success. Leadership can be universal and used in any walk of life. Coaches are faced with many hurdles to overcome on different levels. The best coaches are able to work through these barriers and develop systems that bring teammates together with a common purpose. Course objectives will be reached by means of selected case studies and focused assignments, reinforced by study of proven coaching leaders.

SPHE419 Recovery and Rehabilitation (3 hours)

Students in this course will learn how to apply treatment interventions during the recovery and rehabilitation process related to the injured athlete. This class will cover the prevention, recognition, and treatment of injuries and other medical conditions sustained during the participation in sporting events. Students will learn about the pre-participation exam and the importance of screening for pre-existing medical conditions. They will focus on acute, chronic, and overuse injuries commonly seen in sports. Students will gain an understanding of basic anatomical and physiological principles as they pertain to the treatment of sports injuries. Focus will be placed on the etiology and therapeutic techniques used to treat these injuries during the rehabilitation process. (Prerequisite: BIOL251)

SPHE420 Exercise Programming and Testing (3 hours)

This course is designed for the undergraduate degree in Sports and Health Sciences. Students will combine knowledge from prior classes such as Anatomy, Exercise Physiology, Nutrition and Training and Conditioning and will be prepared to implement their

knowledge in a professional setting. Application of basic exercise training principles will be expanded as the course progresses, allowing the student to execute a wide range of personal fitness training principles such as fundamentals of human movement science, client/athlete assessment, exercise training concepts, program design, nutrition and supplementation. This course incorporates advanced exercise programming techniques utilizing the Optimum Performance Training Model (OPT Model) and prepares students for the Certified Personal Training examination offered by the National Academy of Sports Medicine (NASM-CPT). Upon successful completion of this course and with a valid CPR certification students are eligible to sit for this examination. (Prerequisite: BIOL251)

SPHE421 Kinesiology (3 hours)

Kinesiology develops a practical understanding of the neuromotor system in relation to anatomical structures responsible for human movement along with their respective functions. Students will learn how to analyze movement and determine specific muscles responsible for a particular movement along with the associated joint action and neural control mechanisms. Students will contrast movements and exercises to determine their appropriateness and fit for specific and common goals in real world settings. Additionally, students will discuss Kinesiology principles and critical concepts as they relate to athletics, rehabilitation, and recreational exercise. The course will also explore how to improve human performance through effective exercise and training program design. Students learn concepts in this course which apply in coaching, athletics, rehabilitation, and fitness settings. (Prerequisite: BIOL251)

SPHE425 Therapeutic Exercise (3 hours)

This course examines the physiology of healing as well as exercise protocols for orthopedic and musculoskeletal injuries. The course provides students with a solid foundation of the theory and practice associated with the design, implementation, progression, and supervision of healing and reconditioning programs. Content includes skillful examination of the process of healing and identifying pertinent stages in order to develop evidence based programs. Techniques include progression and sequencing, examination and assessment, and application of soft tissue and joint mobilization; range of motion and flexibility, strength and muscle endurance exercises; balance, coordination and agility activities as well as function return to play exercises for full return to play participation.

SPHE430 Sports Communication (3 hours)

An introduction and overview of the field of sport communication; specific topics include models of sport communication, print and electronic media, sport advertising, public relations, media relations, and employment opportunities. Students will have the opportunity to critically assess the communication efforts of sports organization as well as construct their own communications in the field of sport. These goals will be accomplished through writing and discussion assignments, reflective reading worksheets, and a final paper

SPHE440 Sports Event Management and Planning (3 hours)

Sports Event Management and Planning involves a comprehensive overview of the development and implementation process involved with managing a successful sporting event. The student will examine detailed event criteria including time line, budget analysis, sponsorship, event location, staff and consumer management, as well as the development of television and talent contracts. The course shall provide the knowledge necessary to cultivate, organize, and execute any sporting event from a managerial standpoint.

SPHE450 Sports Governance (3 hours)

This course will focus on the policies, structure and politics that shape sport at the regional, national and international levels. With a focus on the Olympic movement, the course will also examine the organization and development of amateur and professional sport, including the need for Paralympic Games, Gay Games and Special Olympics. The student will analyze the different membership guidelines, organizational goals, and administrative roles of the many governing bodies as well as learn about the historical politics and boycotts, the international development of sport and the bidding process for an international event.

SPHE460 Business Aspects of Fitness and Wellness (3 hours)

This course provides the student with the tools to pragmatically conduct business within the fitness and wellness industry. The student will develop parameters of management within a business structure including financial, facility, marketing, risk

management, leadership, and personnel. No prerequisite.

SPHE461 Current Issues and Trends in Fitness and Wellness (3 hours)

This course is designed to explore the growing field of Sports and Health Sciences and its cultural impact on the United States and International health and wellness. The student will gain the tools necessary to assess the fitness, sport, and health industry and its relationship to health and wellness management. No prerequisite.

SPHE490 Senior Seminar in Sports and Health Science (3 hours)

This senior capstone class is the final course in the degree sequence for students majoring in Sports and Health Sciences. In this dynamic and interactive course, learners will review, assess and then apply many of the concepts they have researched during undergraduate studies through the creation of a customized graduation portfolio. This portfolio can be used for future career or academic goals and serve as a tangible job aid that houses previously acquired knowledge. Real life, hands on tools for career advancement will be examined and then applied, including the creation of a professional resume. An investigation of the job market in the field of sports and health will also take place through case study analysis and lively, career focused discussions. Alternative career paths for sports and health sciences degree holders will also be explored. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Sports Management

SPHE491 Senior Seminar in Sports Management (3 hours)

This senior capstone class is the final course in the degree sequence for students majoring in Sports Management. In this dynamic and interactive course, learners will review, assess and then apply many of the concepts they have researched during undergraduate studies through the creation of a customized graduation portfolio. This portfolio can be used for future career or academic goals and serve as a tangible job aid that houses previously acquired knowledge. Real life, hands on tools for career advancement will be examined and then applied, including the creation of a professional resume. An investigation of the job market in the field of sports management will also take place through case study analysis and lively, career focused discussions. Alternative career paths for sports and health sciences degree holders will also be explored. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Transportation and Logistics

TLMT311 Introduction to Transportation Management (3 hours)

This course is an overview of the transportation sector, including providers, users and government agencies. It examines contemporary public policy issues, such as deregulation, along with managerial strategies in transportation.

TLMT312 Transportation Economics (3 hours)

This course focuses on the micro and macro economic issues associated with international, national, and local transport, logistics, and other issues in the transportation industry. Topics include the economic aspects of rail, water, air, ground, and other transport modes; inventory, and supply.

TLMT313 Supply Chain Management (3 hours)

This course is a study of supply chain management from the consumer back to raw materials. The entire process is studied from the standpoint of the leading theory and practice of cutting-edge organizations.

TLMT318 Hazardous Materials Transportation (3 hours)

This course is a study of the packaging, transportation, and delivery of hazardous materials. Course topics include container, vehicular, storage, mode, onload/offload, and other considerations associated with hazardous materials transportation.

TLMT331 Fundamentals of Intermodal Transportation (3 hours)

This course examines the United States and worldwide commercial freight transportation systems, with an emphasis on international intermodal surface transportation. Modal/intermodal economic and operating characteristics will be surveyed, along with cost, pricing, and regulation of transportation services. In addition, students will be introduced to electronic data interchange (EDI) in commercial transportation and the use of computer software applications in transportation management—all with the goal of providing students with an in-depth understanding of the principles of intermodal transportation systems, a grasp of transportation terminology, and the interrelationship between the Defense Transportation System (DTS) and the global commercial transportation infrastructure.

TLMT341 Logistics Management (3 hours)

This course studies the logistics functions of business involved in the movement and storage of supplies, work-in-progress, and finished goods. It examines the trade-offs between cost and service and the purchase and supply of raw materials; the warehousing and control of inventory; industrial packaging; materials handling within warehouses; and the distribution of finished goods to customers required to minimize costs, maximize profits or increase customer service levels. STUDENTS ARE STRONGLY ADVISED TO COMPLETE TLMT311 PRIOR TO TAKING THIS COURSE.

TLMT342 International Logistics Management (3 hours)

This course addresses the design and operation of international logistics systems. Topics include export-import issues, multi-national sourcing and distribution strategies, channel management, and comparative transportation systems and policies.

TLMT351 Packaging (3 hours)

This course examines the role of packaging marking and labeling as part of the physical distribution process. It examines inner, outer, and intermediate packing, packaging media, dunnage, lading and ISO & non-ISO containers. Topics include: packaging as containment; packaging as a physical barrier, packaging as an impediment to in-transit visibility and handling; packaging as a carrier of arachnids, nematodes and plant and animal life; and contaminated packaging incompatibilities.

TLMT352 Distribution Systems (3 hours)

This course addresses the principles and practices of transportation and its role in the distribution process. Topics include the physical transportation system of the United States and its performance; carrier responsibilities and services; economic and legal bases of rates, freight classification and tariffs; public policy regarding regulation; and transportation issues and problems.

TLMT353 Logistics Management and Operations (3 hours)

An overview of the general area of logistics, its nature, scope, and process. It is a critical examination of logistics management functions and the interrelationships among strategic support and operational logistics.

TLMT381 Hazardous Materials Management (3 hours)

This course will cover the requirements and regulations associated with packaging, handling, storage, transport, and incident response at the operational level for all forms of Hazardous Material. The emphasis will be on the federal regulations and their often-competing goals and contradictory provisions.

TLMT405 Best Practices in Reverse Logistics (3 hours)

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

TLMT411 Air Transportation (3 hours)

This course covers the history, management and future trends in air transportation. It covers the four principal segments of air transportation: major carriers, regional carriers, all-cargo carriers and general aviation. In each segment, the issues of aircraft design, market share, finance, insurance and operations are discussed. The course analyzes the development and application of national and international regulations that impact air transportation. Topics include: cost structure, air fares, flight crews and safety, environmental impacts of aircraft and airports, operating and service characteristics, technological advances, world competition and intermodal operations.

TLMT415 Airport Operations (3 hours)

This course is a study of managerial and leadership issues associated with airport operations, to include human resource, union, commercial, legal, security, air and air support operations, and other issues.

TLMT416 Air Cargo Operations and Security (3 hours)

This course provides students with an understanding of air cargo theft and proper control for safety and security of people, the cargo and the environment. This remains the focal point of cargo security management despite the justifiably increased concern for disruptions due to natural catastrophes, accidents and global terrorism. Topics include introduction to cargo security, benchmarking against best practices in the industry and conduct of an effective cargo theft investigation. with What are the learning outcomes? At the completion of this course the student will be able to: Assess transportation as a conveyance and evaluate the impact of transportation disruptions on the supply chain. understanding of the role of airport management operations focused on air cargo movement and control through an airport system.

TLMT441 Advanced Business Logistics (3 hours)

Business Logistics is the set of activities involved in the flow of materials and products through an organization and through the supply chain to the market. This course examines and applies management tools and principles to these supply and distribution problems. Emphasis is first placed on developing a broad overview of the logistics field: what are its principle activities, decisions and how these activities produce value by supplying customer service through order fulfillment. Interfunctional coordination is reviewed by examining how logistics is coordinated or integrated with marketing and corporate strategy. Next, a thorough grounding in concepts, alternatives and tools for the primary activities of logistics: inventory, transportation, warehousing and order processing are presented. This provides the basis for examining issues in logistics system design, including stock location, sourcing, number and location of facilities and flow management. The organizational design of the logistics system across the internal supply chain is examined if time permits.

TLMT442 International Trade and Regulations (3 hours)

This course is a study of international trade, to include the theories and practice of international trade and their economic outcomes from both global and local vantages. Topics of the course include free and restrictive trade theories, free trade

agreements, general and specialized tariffs, and trade as an arm of foreign and/or domestic policy.

TLMT498 Senior Seminar in Transportation and Logistics (3 hours)

This senior capstone course allows students majoring in transportation and logistics to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Transportation and Logistics courses have been satisfactorily completed. Student must have SENIOR standing to register.

Undergraduate Course Descriptions

Women's Studies

WOMS319 Transnational and Global Issues in Women's Studies (3 hours)

This course seeks to explore global perspectives on a number of the key ethical debates in Women's Studies involving basic human rights and women's lived experience including human trafficking and sex work, transnational mothering and domestic labor, reproductive and cosmetic technologies, and legislated multi-culturalism. In particular, this course considers how these debates are framed by secular and religious feminists and womanists globally and how they are portrayed across cultures in novels, film, poetry, religious texts, and other cultural artifacts. The aim of the course is to investigate how these issues might better be identified, negotiated and/or addressed effectively in terms of global, political, legislative and civic action in communities, and by the academy based on feminist ethic of care.

WOMS320 Introduction to Feminist Thought (3 hours)

This course is an interdisciplinary survey of historical and contemporary feminist theories in the United States and international contexts.

WOMS321 Contemporary Women's Issues (3 hours)

This course is a critical analysis of major contemporary women's issues covering a range of research, writing, and cutting-edge topical issues in the arts, politics, business, humanities, and social and natural sciences.

WOMS330 The Black Woman (3 hours)

This course examines the black woman in contemporary times, with emphasis on Black women in the United States. Issues covered will include the changing role of the Black woman in society, the image and social constructions of the Black woman, Black women and the workplace, Black feminist thought, as well as Black women and their communities. The role of U.S. public policy in shaping each of these issues will be investigated. Key issues and topics will include analyzing the ways in which race, gender, and class are intertwined, resulting in complex forms of oppression.

WOMS343 Native American Women (3 hours)

This course examines Native American women from historical to contemporary times. Topics include the traditional and changing role of the woman in Native American society in relation to her duties, responsibilities, and obligations in family, tribe, workplace, and other settings.

WOMS361 History of Women in Latin America (3 hours)

This course is a survey of human and cultural elements of women's lives in contemporary Latin America. Students explore women's roles in traditional Latin American societies undergoing modernization. Students also examine the issues of development and industrialization felt by Latin American women in both cities and rural areas.

WOMS378 Women and Sports (3 hours)

This course is an interdisciplinary survey of historical and contemporary analysis of women's experiences in sport in the United States as well as globally. Students will explore women in sports of all kinds, and analyze the experiences of a variety of women across the world and how sports has made an impact on their lives to include the development of sports for women in general. The course is designed to include critically reading, discussing and writing about feminist literature and its applicability to women's lives with a particular emphasis on the ways in which gender and sport interacts with race, class, culture, ability, sexual orientation, age and ethnicity. These will be addressed through the lens of gender roles in sports in relation to cultural, legislative issues, the media, political and contemporary issues, and other controversies within our society.

WOMS400 Women of Color: Cross-Cultural Comparison (3 hours)

This course is a global examination of the cultures and ideologies (belief and value systems) of women of color. Topics include specific minority ethnic groups in the United States, Europe, developing countries, and elsewhere throughout the world. The course is designed using a cultural constructionist and systems approach to a global examination and comparison of gender relations. It introduces students to contemporary theoretical perspectives used in the study of culture and gender. The emphasis

will be on developing an understanding of the interrelated nature and stratifying effects of gender, ethnicity, and class in the lives of women both in the United States and globally.

WOMS410 Women and Leadership (3 hours)

This course explores contemporary issues related to leadership in relation to current research in women's studies, to include gender models of leadership. Course topics include styles of leadership, women and competition, sexism in the workplace, and gender communication differences.